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1974

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With resources data for the 1973 water year South Carolina consist of records of stage, discharge, and water quality of streams; stage, contents and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 54 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 139 gaging stations, and water levels for 21 observation wells. Also included are 19 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the sustematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in South Carolina.

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for
South Carolina
Water Year 1973

Part 1. Surface Water Records
Part 2. Water Quality Records
Part 3. Ground Water Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-73-1

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U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

Prepared in cooperation with the State of South Carolina
and with other agencies

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CALENDAR FOR WATER YEAR 1973

1972

OCTOBER

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1973

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1973

Water Resources Data
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Part 1. Surface Water Records

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UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT SC-73-1

Prepared in cooperation with the State of South Carolina
and with other agencies

Ia

Prepared in cooperation with

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South Carolina Department of Health and Environmental Control
South Carolina Public Service Authority
South Carolina State Highway Department
City of Spartanburg
Environmental Protection Agency
Corps of Engineers, U.S. Army
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Copies of this report may be obtained from
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Columbia, South Carolina 29201

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1973

INTRODUCTION

Water resources data for the 1973 water year for South Carolina including records of streamflow or reservoir storage at gaging stations, records of water-quality data on the chemical and physical characteristics of surface water and ground water levels are given in this report. Records for a few pertinent gaging and water-quality stations in the State of Georgia are also included. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of J. S. Stallings, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Through September 30, 1960, the records of discharge and stage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States."

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Distribution of these reports is limited; they are designed primarily for rapid release of data shortly after the end of the water year to meet local needs. The streamflow records for 1961-65 also are published in a Geological Survey water-supply paper series entitled, "Surface Water Supply of the United States 1961-65," and those for 1966-70 will be published in a similar series.

The Geological Survey has published records of chemical quality, suspended sediment, and water temperatures since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Beginning with the 1964 water year, water-quality records also have been released on a State-boundary basis in conjunction with streamflow records or in a separate volume.

Through December 31, 1965, ground-water records which contain water-level data were published in the annual series of U.S. Geological Survey water-supply papers entitled "Water Levels and Artesian Pressures in Observation Wells in the United States." Since 1955 this series has been entitled "Ground-Water Levels in the United States." The calendar years 1956 through 1960 span a transition period wherein the water-supply papers are converted from presenting 1-year data to 5 years of data. Water-Supply Paper 1538 contains records of water levels in South Carolina for calendar years 1956-58 and Water-Supply Paper 1803 for calendar years 1958-63. Subsequent water-supply papers containing records for South Carolina will be issued for 5-year intervals. Beginning with the 1971 water year, ground-water data for South Carolina have been published on a State-boundary basis in conjunction with streamflow and water-quality records.

COOPERATION

The U.S. Geological Survey and organizations of the State of South Carolina have had cooperative agreements for the systematic collection of water records since 1930. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

South Carolina Water Resources Commission, C.P. Guess, Jr., executive director.
Department of Health and Environmental Control, E. Kenneth Aycock, commissioner.
South Carolina Public Service Authority, J.B. Thomason, general manager.
South Carolina State Highway Department, S.N. Pearman, chief highway commissioner.
City of Spartanburg, L.D. Cantrell, chairman of commissioners of public works.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 27 gaging stations, Atomic Energy Commission in collecting records for one gaging station, and by the Environmental Protection Agency in collecting water-quality records for 27 stations published in this report.

The following organizations aided in collecting records:

Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

DEFINITION OF TERMS

Definition of terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the folume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Land surface datum (lsd) is a precise datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is a permanent point from which the distance to the water surface in a well is measured to obtain the water level.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per liter (µg/l, UG/L) is a more precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per liter is equivalent to one milligram per liter. See below.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations are determined in the laboratory as parts per million (ppm) and are converted to mg/l by using the factors in table 2, page 5.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by sieve and sedimentation methods.

Particle-size classification, used in this report, agrees closely with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1})......	0.00788
Ammonia as NH_4^{+1}...	.05544	Iron (Fe^{+3})*......	.05372
Barium (Ba^{+2})......	.01456	Lead (Pb^{+2})*......	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3}).	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1}).....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*......	.03060

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*Constituent reported in micrograms per liter; multiply by factor and results by 1,000.

Table 2.--Factors for conversion of sediment concentration in parts per million to milligrams per liter*
(All values calculated to three significant figures)

Range of concentration (ppm)	Multiply by	Range of concentration (ppm)	Multiply by
0 - 15,900	1.00	322,000 - 341,000	1.26
16,000 - 46,800	1.02	342,000 - 361,000	1.28
46,900 - 76,500	1.04	362,000 - 380,000	1.30
76,600 - 105,000	1.06	381,000 - 399,000	1.32
106,000 - 133,000	1.08	400,000 - 416,000	1.34
134,000 - 159,000	1.10	417,000 - 434,000	1.36
160,000 - 185,000	1.12	435,000 - 451,000	1.38
186,000 - 210,000	1.14	452,000 - 467,000	1.40
211,000 - 233,000	1.16	468,000 - 483,000	1.42
234,000 - 256,000	1.18	484,000 - 498,000	1.44
257,000 - 279,000	1.20	499,000 - 514,000	1.46
280,000 - 300,000	1.22	515,000 - 528,000	1.48
301,000 - 321,000	1.24	529,000 - 542,000	1.50

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*Based on water density of 1.000 g/ml and sediment density of 2.65 g/cc.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Records are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02175000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "175000." In this report, the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

WELL NUMBERS

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 14 digits and one letter. The first 6 digits denote the degrees, minutes, and seconds of latitude followed by a letter denoting north or south. Seven digits following the letter denote degrees, minutes, and seconds of longitude. The last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well.

EXPLANATION OF SURFACE-WATER DATA

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the gage height to the rating table gives the discharge. The daily mean discharge is computed from gage heights, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. Information required for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in determining discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents are computed. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or table showing the daily contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1973 water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, notations of revisions of previously published records, and general remarks. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualfied. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and

"(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton rating tables are published for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading. For stations equipped with nonrecording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily reading; but for periods of rapidly changing stage the discharge is determined from a gage-height graph based on gage readings.

The daily tables for reservoir stations give the contents corresponding to the water-surface elevation at a given time, usually at 2400 each day. For some reservoirs the elevation at a given time is given in the daily table.

The monthly summary is given below the daily table. For stream-gaging stations the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX." and "MIN." give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM."), or in inches (line headed "IN."). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation of diversion, if the drainage area includes large noncontributing areas, or if the average rainfall on the drainage basin is usually less than 20 inches.

For reservoir stations, the monthly summary gives the elevation (or gage height) at the end of the month and the change in contents during the month. If elevation or gage height is given in the daily table, the monthly summary gives the contents at the end of the month, rather than the elevation or gage height.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in this summary are minimum daily discharges.

For reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year. For some reservoirs the yearly evaporation also is included.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE," certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs. Footnotes to reservoir tables explain the use of new capacity tables or for other special conditions.

Accuracy of Data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation or other factors. For these stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for such effects. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or unadjusted losses (consumptive use, evaporation, seepage, etc.) are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in South Carolina for the period October 1960 to September 1965 are in Water-Supply Paper 1904.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station.

Records for stations in South Carolina are compiled in Water-Supply Paper 1303 through September 1950, and in 1723 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Data collected at partial-record stations are given at the end of the surface-water records in this report. The table gives the annual maximum stage and discharge at crest-stage stations.

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER-QUALITY DATA

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

Data on the quality of surface water were collected from designated sampling sites (map on page 24) at predetermined intervals such as once daily, weekly, monthly, or less frequently.

Water-quality information is presented for chemical quality, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Fahrenheit to degrees Celsius, see table 3, page 17.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 2.).

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogenous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site.

Table 3.--Degrees Fahrenheit (°F) to degrees Celsius (°C)*
(Temperature reported to nearest 0.5°C)

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
32	0.0	50	10.0	68	20.0	86	30.0	104	40.0
33	.5	51	10.5	69	20.5	87	30.5	105	40.5
34	1.0	52	11.0	70	21.0	88	31.0	106	41.0
35	1.5	53	11.5	71	21.5	89	31.5	107	41.5
36	2.0	54	12.0	72	22.0	90	32.0	108	42.0
37	3.0	55	13.0	73	23.0	91	33.0	109	43.0
38	3.5	56	13.5	74	23.5	92	33.5	110	43.5
39	4.0	57	14.0	75	24.0	93	34.0	111	44.0
40	4.5	58	14.5	76	24.5	94	34.5	112	44.5
41	5.0	59	15.0	77	25.0	95	35.0	113	45.0
42	5.5	60	15.5	78	25.5	96	35.0	114	45.5
43	6.0	61	16.0	79	26.0	97	36.0	115	46.0
44	6.5	62	16.5	80	26.5	98	36.5	116	46.5
45	7.0	63	17.0	81	27.0	99	37.0	117	47.0
46	8.0	64	18.0	82	28.0	100	38.0	118	48.0
47	8.5	65	18.5	83	28.5	101	38.5	119	48.5
48	9.0	66	19.0	84	29.0	102	39.0	120	49.0
49	9.5	67	19.5	85	29.5	103	39.5	121	49.5

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross-section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross-sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross-section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment are included.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in South Carolina are listed below.

Water year	WSP No.	Water year	WSP No.
1941	942	1955	1400
1942	950	1956	1450
1943	970	1957	1520
1944	1022	1958	1571
1945	1030	1959	1641
1946	1050	1960	1741
1947	1102	1961	1881
1948	1132	1962	1941
1949	1162	1963	1947
1950	1186	1964	1954
1951	1197	1965	1961
1952	1250	1966	1991
1953	1290	1967	2011
1954	1350	1968	2092

EXPLANATION OF GROUND-WATER DATA

Collection and Reporting of Data

South Carolina is a water-rich area of the United States and as such has a tremendous potential for the development of its ground-water resources. It is necessary however, that this resource be developed along sound geologic and hydrologic guidelines.

Ground-water data can be divided generally into two types--geologic and hydrologic. The geology of an area forms the framework for the hydrology. Therefore, for a complete knowledge of the ground-water conditions both types of data are essential. Geologic data are collected mostly from well cuttings and cores obtained during drilling. Potential water zones, lithology and stratigraphy are verified from certain geophysical logs. Hydrologic data are obtained from water levels, pumping levels, and pumping tests. The combined geologic and hydrologic data give some clues to the ground-water resources of the area.

A network of observation wells have been established throughout the State that are equipped with continuous water-level recording devices which monitor the fluctuations of the water surface in the various aquifers. The record of water levels for twenty-two wells has been compiled and included in this report.

HYDROLOGIC CONDITIONS

Streamflow during the 1973 water year was generally excessive over the State. Record setting floods in June and September resulted in the highest yearly average discharge of record at two long term stations and the highest since 1964 at about eighty percent of the remaining stations For seven months flows were excessive (in the highest 25 percent of record) for the eastern section of the State. Cumulative runoff for Lynches River at Effingham for the year was 82 percent higher than the median cumulative runoff for the period 1931-60.

The first notable peaks of the water year occurred during the middle of December. Highly unusual weather conditions of ice and snow storms during January, February, and March resulted in excessive flow with some flooding mainly in the middle and eastern sections of the State.

During June, excessive precipitation of up to 22 inches above normal resulted in excessive runoff in most basins and major flooding in some areas. The more notable peaks occurred on the Black River at Kingstree and the Edisto River near Givhans; peaks were equal in magnitude to the 200-year and 50-year flood respectively.

An isolated thunderstorm in mid-September produced 25- year flood peaks at Reedy River near Ware Shoals and Saluda River near Ware Shoals.

Figure on page , for which records of two long-term representative gaging stations were used, shows a comparison of the monthly and yearly mean discharges for the 1973 water year with the corresponding median discharges for the water years 1931-70.

Ground water conditions in South Carolina during 1973 water year have not changed markedly throughout the State. Locally in areas of heavy pumping declines in the potentrometric surface of the water have occurred especially where wells are closely spaced together and the stress on the system is beyond the capacity of the aquifer. However, this condition has not resulted in a permanent dewatering of the aquifer. Even in areas of heavy withdrawals of ground water by pumping during the summer months, the downward water level trend is reversed and fluctuates upward during periods of lighter off-season pumping.

Recharge to the unconfined water table aquifers from precipitation is rapidly seen in the rise of water levels in shallow wells as is decline during periods of drought. Recharge to the deeper confined artesian aquifers which furnish most of the water to the municipal and industrial wells in the State is not readily reflected in the rise or decline of the pressure head during wet or dry periods.

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Table 4.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

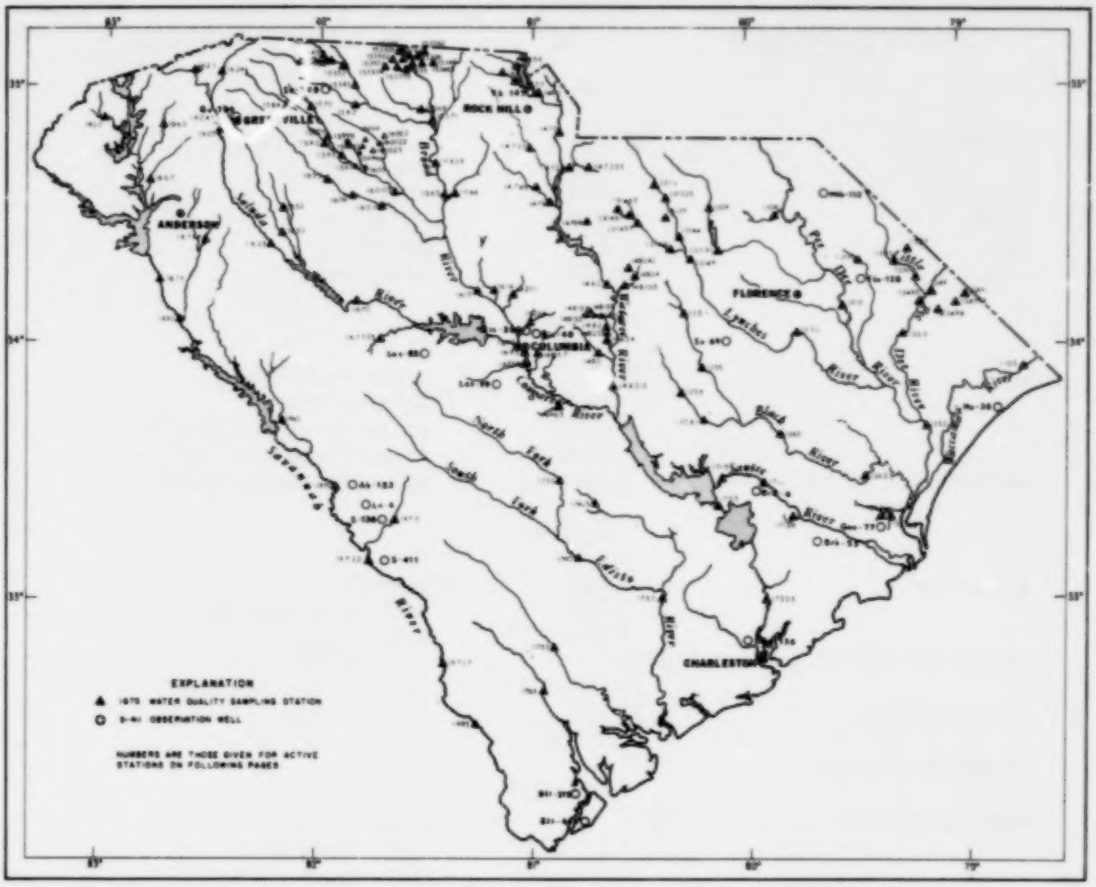
ROCK HILL
GREENVILLE
ANDERSON
COLUMBIA
FLORENCE
CHARLESTON
Saluda River
Broad River
Wateree River
Congaree River
North Fork
South Fork
Edisto River
Savannah River
Lynches River
Black River
Santee River
Pee Dee River
Little Pee Dee River
EXPLANATION
▲ 1973 WATER QUALITY SAMPLING STATION
○ OBSERVATION WELL
NUMBERS ARE THOSE GIVEN FOR ACTIVE STATIONS ON FOLLOWING PAGES

Figure 1. Map of South Carolina showing location of active gaging stations.

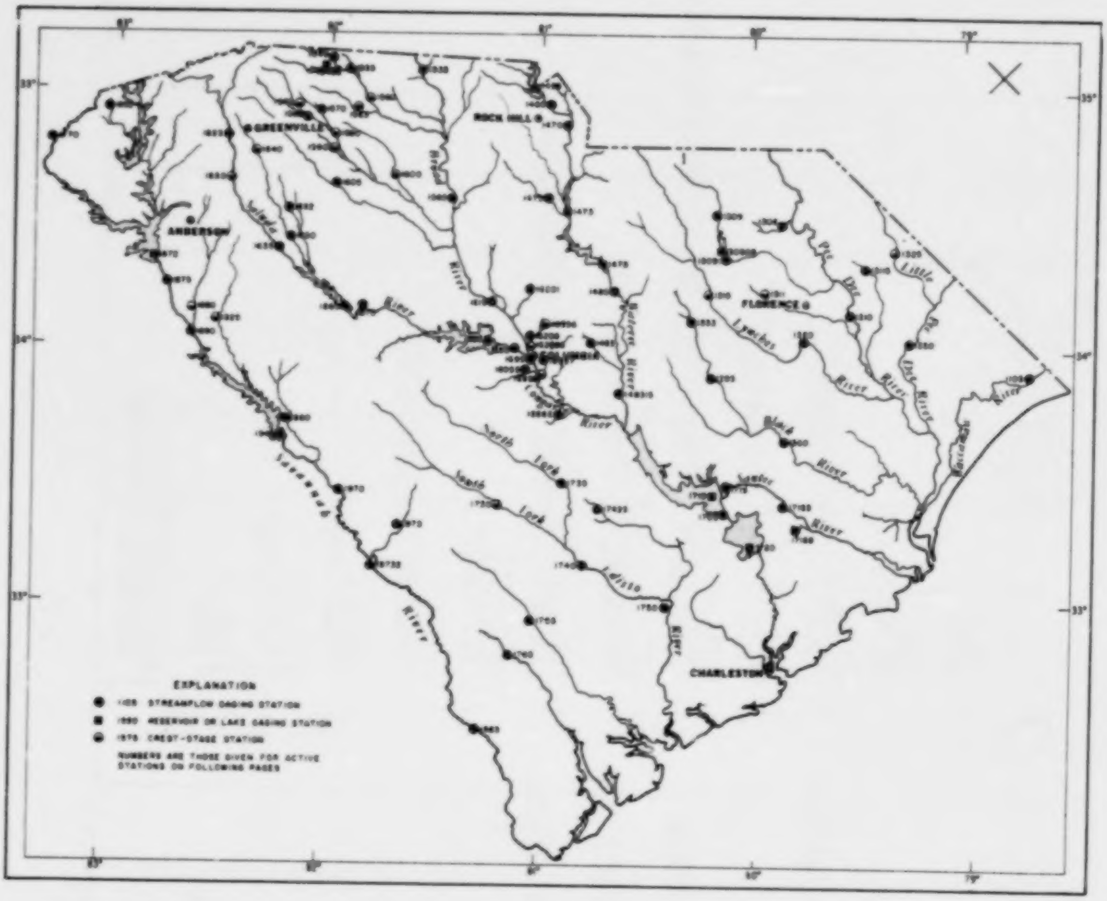
GREENVILLE
ROCK HILL
ANDERSON
COLUMBIA
FLORENCE
CHARLESTON
Savannah River
Saluda River
Broad River
Wateree River
Congaree River
Lynches River
Pee Dee River
Little Pee Dee River
Black River
Santee River
North Fork
South Fork
Edisto River
EXPLANATION
● STREAMFLOW GAGING STATION
■ RESERVOIR OR LAKE GAGING STATION
◐ CREST-STAGE STATION
NUMBERS ARE THOSE GIVEN FOR ACTIVE STATIONS ON FOLLOWING PAGES
35°
34°
33°
83°
82°
81°
80°
79°

Figure 2. Map of South Carolina showing locations of active water quality stations and ground water wells.

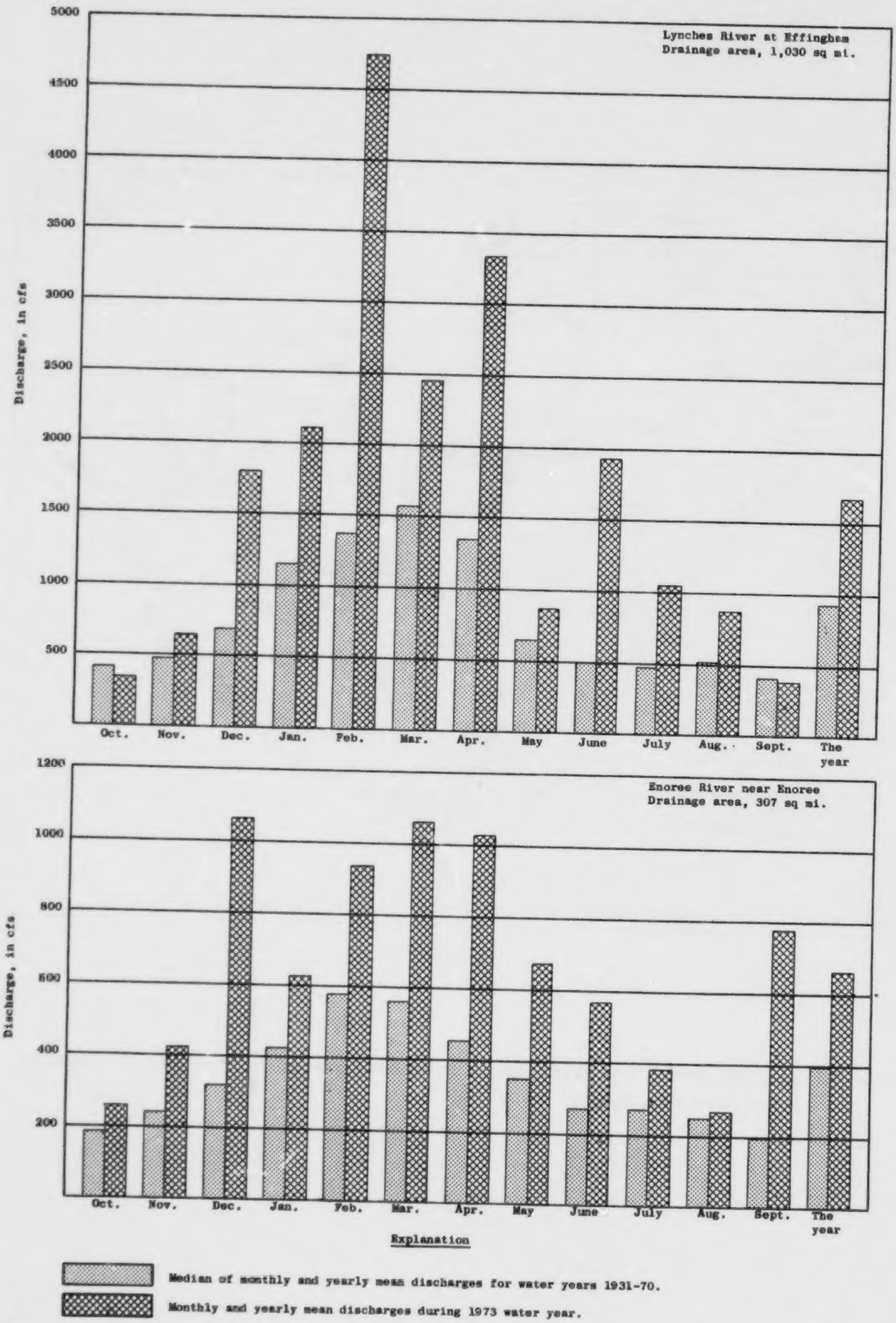

Figure 3. Comparison of discharge at two long-term representative gaging stations during 1973 water year with median discharge for water years 1931-70.

WACCAMAW RIVER BASIN

02110500 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 33°54'45", long 78°42"55", Horry County, near right bank on downstream side of bridge on State Highway 9, 500 ft (152 m) downstream from Buck Creek, 2.1 mi (3.4 km) southeast of Longs, and at mile 85.4 (137.4 km).

DRAINAGE AREA.--1,110 mi^2 (2,875 km^2), approximately.

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft (1.609 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--23 years, 1,199 ft^3/s (34.0 m^3/s), 14.67 in/yr (373 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,620 ft^3/s (244 m^3/s) Feb. 20, gage height 13.10 ft (3.993 m); minimum 33 ft^3/s (0.93 m^3/s) Oct. 20, 21, gage height 0.79 ft (0.241 m).

Period of record: Maximum discharge, 11,100 ft^3/s (314 m^3/s) about July 6, 1961, gage height, 13.94 ft (4.249 m) (from floodmark); minimum, 1 ft^3/s (0.038 m^3/s) Oct. 14, 1954.

REMARKS.--Records good. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	63	695	1,570	3,210	5,260	2,140	1,340	137	998	255	393
2	61	64	777	1,570	3,510	4,820	2,460	1,220	126	1,000	232	345
3	56	61	843	1,560	4,080	4,640	3,040	1,120	117	995	241	297
4	55	62	906	1,570	4,100	4,260	3,210	1,030	108	977	336	260
5	54	61	968	1,570	4,080	4,010	3,560	930	101	944	405	230
6	52	59	1,120	1,580	4,180	3,850	3,970	837	94	893	436	208
7	51	58	1,450	1,610	4,340	3,610	4,520	754	87	816	429	190
8	49	63	1,600	1,660	4,530	3,400	5,800	674	81	761	407	187
9	48	63	1,650	1,720	4,580	3,270	6,770	617	75	646	394	215
10	46	61	1,710	1,740	5,040	3,160	7,420	569	77	600	396	329
11	45	59	1,710	1,750	5,220	3,070	7,590	519	104	511	405	479
12	43	62	1,700	1,820	5,220	2,930	7,780	518	94	507	414	601
13	42	63	1,670	1,860	5,160	2,840	7,660	507	116	498	414	730
14	40	71	1,660	1,890	5,400	2,770	7,330	488	289	471	407	827
15	39	75	1,680	1,930	6,640	2,660	6,870	489	285	471	395	910
16	39	70	1,730	1,980	7,540	2,570	6,370	477	308	572	380	963
17	37	82	1,660	2,010	7,660	2,490	5,900	453	381	572	362	972
18	36	86	1,590	2,030	7,960	2,380	5,480	426	523	579	335	952
19	35	88	1,530	2,050	8,380	2,290	5,040	400	611	531	309	896
20	34	92	1,480	2,070	8,560	2,200	4,580	372	601	467	291	820
21	36	96	1,460	2,050	8,530	2,170	4,100	341	585	407	280	732
22	36	99	1,550	2,230	8,320	2,110	3,630	308	574	357	272	628
23	39	100	1,670	2,600	7,990	2,010	3,210	280	684	339	266	528
24	44	101	1,650	2,600	7,570	1,920	2,840	255	805	380	291	433
25	49	109	1,630	2,590	7,040	1,850	2,500	232	791	386	342	357
26	52	210	1,610	2,620	6,520	1,900	2,210	211	789	381	387	292
27	54	232	1,600	2,810	6,100	1,870	2,010	195	832	372	417	246
28	61	245	1,590	3,010	5,680	1,800	1,740	179	924	354	441	208
29	63	267	1,570	3,190	------	1,730	1,520	166	963	338	456	179
30	63	476	1,570	3,240	------	1,670	1,470	158	983	322	453	163
31	63	------	1,570	3,230	------	1,640	------	147	------	291	430	------
TOTAL	1,487	3,298	45,696	65,710	167,250	87,140	133,520	16,212	12,245	17,756	11,278	14,570
MEAN	48.0	110	1,474	2,120	5,973	2,812	4,451	523	408	573	364	486
MAX	65	476	1,730	3,240	8,560	5,260	7,780	1,340	983	1,000	456	972
MIN	34	58	695	1,560	3,210	1,640	1,470	147	75	291	232	163
CFSM	.04	.10	1.33	1.91	5.38	2.53	4.01	.47	.37	.52	.33	.44
IN.	.05	.11	1.53	2.20	5.61	2.92	4.47	.54	.41	.60	.38	.49

CAL YR 1972 TOTAL 346,626 MEAN 947 MAX 6,030 MIN 34 CFSM .85 IN 11.62
WTR YR 1973 TOTAL 576,182 MEAN 1,579 MAX 8,560 MIN 34 CFSM 1.42 IN 19.31

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

LOCATION.--Lat 34°31'30", long 79°51'05", Darlington County, on upstream side of old highway bridge, 300 ft (91 m) below U.S. Highway 52, 0.3 mi (0.5 km) upstream from Seaboard Coast Line Railroad, at Society Hill, and at mile 1.7 (2.7 km).

DRAINAGE AREA.--55 mi^2 (142 km^2), approximately.

PERIOD OF RECORD.--October 1970 to current year. Occasional low-flow measurements, water years 1949-65.

GAGE.--Water-stage recorder. Altitude of gage is 70 ft (21 m)(from topographic map).

EXTREMES.--Current year: Maximum discharge, 750 ft^3/s (21.2 m^3/s) June 23, gage height, 8.73 ft (2.661 m); maximum gage height, 12.24 ft (3.731 m) Apr. 3 (backwater from Pee Dee River); minimum daily, 35 ft^3/s (0.991 m^3/s) Oct. 13, 14.

Period of record: Maximum discharge, 750 ft^3/s (21.2 m^3/s) June 23, 1973; maximum gage height, 12.24 ft (3.731 m) Apr. 3, 1973; minimum daily, 18 ft^3/s (0.51 m^3/s) July 18, 1971.

REMARKS.--Records good except those for periods of backwater, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	100	97	115	140	126	490	90	62	114	86	66
2	120	90	91	126	318	129	600	82	53	102	86	61
3	87	80	89	146	450	146	350	77	48	103	88	59
4	70	70	85	136	500	175	280	74	45	146	97	59
5	51	64	79	124	450	259	160	72	45	138	92	59
6	46	70	82	127	300	249	190	70	42	123	97	58
7	44	100	93	129	250	200	208	67	47	107	151	57
8	43	120	98	138	220	176	260	65	59	91	133	57
9	40	140	106	134	205	160	350	74	72	80	106	61
10	38	150	102	123	199	146	280	77	119	74	82	79
11	37	130	92	114	214	137	210	75	188	70	67	89
12	36	110	85	106	203	172	170	88	214	90	60	95
13	35	78	82	102	185	220	151	94	162	150	59	87
14	35	70	79	100	191	275	135	98	119	136	55	97
15	36	66	89	103	289	199	127	95	115	94	51	105
16	38	68	130	110	357	148	121	78	176	97	50	145
17	39	85	170	118	320	131	116	66	252	355	74	132
18	37	94	180	131	254	129	114	60	213	352	163	95
19	40	96	170	143	196	262	110	57	140	229	213	77
20	46	121	160	152	164	259	106	57	114	143	123	67
21	64	123	105	149	149	154	103	59	180	104	90	62
22	76	117	200	151	140	138	98	61	553	84	97	60
23	90	120	331	146	133	133	94	57	670	77	238	59
24	110	100	480	130	126	127	90	57	469	76	218	56
25	120	89	390	124	121	116	89	62	298	76	138	54
26	120	104	217	114	117	111	88	69	197	75	129	52
27	110	111	140	126	121	105	100	74	144	72	129	51
28	120	118	118	138	126	101	102	66	122	77	129	51
29	120	118	107	184	------	98	109	59	117	82	101	49
30	120	104	100	208	------	98	105	63	123	91	82	50
31	110	------	103	172	------	136	------	74	------	89	70	------
TOTAL	2,208	3,006	4,450	4,119	6,438	5,015	5,506	2,217	5,158	3,697	3,354	2,149
MEAN	71.2	100	144	133	230	162	184	71.5	172	119	108	71.6
MAX	130	150	480	208	500	275	600	98	670	355	238	145
MIN	35	64	79	100	117	98	88	57	42	70	50	49
CFSM	1.29	1.82	2.62	2.42	4.18	2.95	3.35	1.30	3.13	2.16	1.96	1.30
IN.	1.49	2.03	3.02	2.79	4.35	3.39	3.72	1.50	3.49	2.50	2.27	1.45

CAL YR 1972 TOTAL 35,110 MEAN 95.9 MAX 480 MIN 24 CFSM 1.74 IN 23.75
WTR YR 1973 TOTAL 47,326 MEAN 130 MAX 670 MIN 35 CFSM 2.36 IN 32.01

NOTE: Backwater from Pee Dee River Dec. 16-20, Feb. 3-8, Apr. 2-16.

02130900 BLACK CREEK NEAR MCBEE, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mi (0.3 km) upstream from Little Alligator Creek, 5.3 mi (8.5 km) northeast of McBee, and at mile 59.1 (95.1 km).

DRAINAGE AREA.--108 mi² (280 km²).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1956-59.

GAGE.--Water-stage recorder. Datum of gage is 224.72 ft (68.495 m) above mean sea level. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--14 years, 175 ft³/s (4.956 m³/s), 22.00 in/yr (559 mm/yr).

EXTREMES.--Current year: 800 ft³/s (22.7 m³/s) Apr. 2, gage height, 9.80 ft (2.987 m); minimum, 54 ft³/s (1.53 m³/s) Oct. 11-14.

Period of record: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Aug. 19, 1971, gage height, 10.44 ft (3.182 m); minimum, 21 ft³/s (0.59 m³/s) Sept. 25, 1968 and Oct. 3, 1968.
A discharge of 19.9 ft³/s (0.56 m³/s) was measured on Sept. 18, 1956.

REMARKS.--Records fair. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	141	200	226	313	211	538	261	340	177	124	72
2	153	85	170	215	460	205	650	220	251	158	112	69
3	166	76	164	211	400	263	700	193	173	251	102	67
4	143	74	156	222	280	272	600	140	126	251	122	66
5	91	71	147	228	400	300	440	146	113	266	206	66
6	72	70	155	234	380	304	320	194	109	146	186	69
7	68	70	163	240	300	364	380	182	129	164	180	68
8	64	142	190	248	296	315	400	158	145	141	143	66
9	69	172	205	258	262	355	409	174	172	146	114	68
10	57	176	226	236	304	347	450	167	243	128	122	87
11	54	172	218	229	300	345	460	174	270	121	98	94
12	54	172	180	221	242	330	360	204	331	132	79	89
13	54	137	170	211	276	402	305	196	352	132	71	80
14	54	132	184	206	276	335	292	105	296	129	62	141
15	63	113	219	202	310	340	270	188	223	112	60	201
16	65	134	263	206	348	394	256	165	186	128	66	205
17	63	227	426	211	312	276	235	127	269	150	123	198
18	61	212	520	223	358	258	233	116	255	271	131	165
19	68	226	423	244	306	242	235	114	238	363	119	98
20	104	258	310	254	266	236	234	124	209	307	106	91
21	115	248	262	274	242	234	243	140	272	212	107	87
22	104	224	320	290	230	239	238	148	492	160	166	82
23	77	234	375	294	226	236	224	154	600	127	119	78
24	98	230	435	264	218	243	210	141	512	129	100	76
25	157	195	483	260	214	244	198	152	422	138	112	74
26	140	184	402	264	208	236	197	173	292	143	142	73
27	117	186	310	267	210	214	215	179	250	156	127	73
28	133	189	254	260	209	209	233	151	224	147	106	73
29	140	203	220	280	------	226	267	178	202	134	90	71
30	138	223	222	280	------	212	300	202	185	130	80	73
31	143	------	227	260	------	251	------	244	------	144	74	------
TOTAL	3,029	5,026	8,264	7,605	8,201	8,752	10,077	5,320	7,851	5,359	3,554	2,820
MEAN	97.7	168	267	245	293	282	336	172	262	173	115	94.0
MAX	166	258	520	294	460	402	700	261	600	363	206	205
MIN	54	70	147	202	208	205	197	105	109	112	60	66
CFSM	.90	1.56	2.47	2.27	2.71	2.61	3.11	1.59	2.43	1.60	1.06	.87
IN.	1.04	1.73	2.85	2.62	2.82	3.01	3.47	1.83	2.70	1.85	1.22	.97

CAL YR 1972 TOTAL 60,027 MEAN 164 MAX 692 MIN 39 CFSM 1.52 IN 20.68
WTR YR 1973 TOTAL 75,860 MEAN 208 MAX 700 MIN 54 CFSM 1.93 IN 26.13

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-18	0200	9.17	548	4-2	1300	9.80	800
12-25	1200	9.08	512	4-10	1400	9.30	600
2-2	unknown	9.30	600	6-23	0400	9.36	624

02130910 BLACK CREEK NEAR HARTSVILLE, S.C.

LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, at downstream side of highway bridge, 1,000 ft (300 m) downstream from dam at H. B. Robinson steam electric plant, 2.1 mi (3.4 km) upstream from Beaverdam Creek, 4.6 mi (7.4 km) west of Hartsville, and at mile 49.9 (80.3 km).

DRAINAGE AREA.--173 mi² (448 km²).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (49 m) (from topographic map).

AVERAGE DISCHARGE.--13 years, 241 ft³/s (6.825 m³/s), 18.92 in/yr (481 mm/yr).

EXTREMES.--Current year: Maximum discharge, 988 ft³/s (28.0 m³/s) June 22, gage height, 8.34 ft (2.542 m); minimum, 94 ft³/s (2.66 m³/s) Oct. 16.

Period of record: Maximum discharge, 2,010 ft³/s (56.9 m³/s), Aug. 18, 1971, gage height, 10.08 ft (3.072 m); minimum, 51 ft³/s (1.44 m³/s) July 14, 1970.

REMARKS.--Records fair. Some regulation by storage in steam electric plant reservoir above station. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	170	285	355	383	320	644	341	271	330	225	128
2	140	170	285	346	715	312	617	339	283	345	214	126
3	170	170	276	338	651	363	901	328	296	345	202	126
4	170	174	284	330	408	365	943	320	276	352	202	117
5	153	167	254	330	609	381	781	305	253	341	246	115
6	144	155	267	336	634	415	454	290	236	339	258	114
7	134	146	276	334	546	566	560	283	252	320	258	113
8	120	190	271	419	356	496	627	281	251	296	253	116
9	117	191	272	412	365	509	614	285	263	277	237	129
10	110	199	277	338	423	403	675	279	294	259	214	144
11	102	211	289	335	440	460	715	276	322	253	202	139
12	99	219	285	327	348	610	388	290	338	246	187	139
13	96	215	276	319	379	543	397	290	359	228	170	138
14	96	233	276	310	430	414	397	287	383	209	155	171
15	99	230	280	300	523	457	392	283	375	206	143	193
16	95	220	327	290	495	452	388	271	348	210	138	209
17	97	245	331	280	371	412	379	257	327	240	136	224
18	99	254	373	298	390	401	371	239	327	231	146	230
19	108	270	414	308	401	386	359	216	320	258	153	221
20	107	299	425	320	401	373	354	221	323	290	154	198
21	105	308	476	330	390	383	350	224	358	299	172	184
22	111	308	544	343	373	377	366	215	756	291	265	172
23	114	302	600	357	357	365	341	212	938	275	257	163
24	169	301	600	367	345	354	335	233	615	257	242	155
25	190	312	550	359	335	348	330	237	507	235	230	148
26	170	315	500	359	328	352	319	235	560	222	224	138
27	150	299	400	421	338	348	319	236	388	223	216	132
28	150	289	360	450	330	336	323	227	367	253	206	128
29	150	298	340	394	------	330	315	236	359	247	169	126
30	160	289	346	359	------	339	327	248	338	235	134	129
31	170	------	355	373	------	402	------	255	------	235	132	------
TOTAL	4,006	7,139	11,093	10,742	12,111	12,545	14,461	8,239	11,291	8,345	6,140	4,565
MEAN	129	238	358	347	433	405	482	266	376	269	198	152
MAX	190	315	600	450	715	610	943	341	938	352	265	230
MIN	95	146	254	280	328	312	315	212	236	206	132	113
CFSM	.75	1.38	2.07	2.01	2.50	2.34	2.79	1.54	2.17	1.55	1.14	.88
IN.	.86	1.54	2.39	2.31	2.60	2.70	3.11	1.77	2.43	1.79	1.32	.98

CAL YR 1972 TOTAL 83,303 MEAN 228 MAX 740 MIN 80 CFSM 1.32 IN 17.91
WTR YR 1973 TOTAL 110,677 MEAN 303 MAX 943 MIN 95 CFSM 1.75 IN 23.80

02131000 PEE DEE RIVER AT PEEDEE, S.C.

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi² (22,870 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as "near Mars Bluff". Gage-height records collected at practically same sites since 1923 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft (7.537 m) above mean sea level. Prior to Oct. 1, 1947, at site 1.6 mi (2.6 km) downstream at datum 23.46 ft (7.151 m) above sea level.

AVERAGE DISCHARGE.--35 years, 9,450 ft³/s (267.6 m³/s), 14.53 in/yr (369 mm/yr).

EXTREMES.--Current year: Maximum discharge, 74,600 ft³/s (2,110 m³/s) Apr. 6, gage height, 26.97 ft (8.220 m); minimum daily, 2,460 ft³/s (69.7 m³/s) Oct. 10.

Period of record: Maximum discharge, 220,000 ft³/s (6,230 m³/s) Sept. 22, 1945, gage height, 33.30 ft (10.150 m) (site and datum then in use) from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of discharge measurement of 221.000 ft³/s (6260 m³/s) at Cheraw; minimum, 700 ft³/s (19.8 m³/s) Sept. 29, 1954, gage height, 0.60 ft (0.18 m)(from graph based on gage readings).

REMARKS.--Records good. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 ft³/s (872,811,800 m³). Records of chemical analyses are published in part 2 of this report.

REVISIONS (WATER YEAR).--WSP 1233: Drainage area. WSP 1623: 1933, 1941-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG *	SEP
1	6,300	5,170	10,800	21,900	24,200	11,500	19,300	17,400	17,400	14,400	7,350	6,900
2	5,250	6,020	10,600	19,200	26,400	12,600	21,500	18,200	17,800	13,900	7,740	5,430
3	4,070	6,010	10,300	17,500	28,300	13,300	25,100	18,500	17,500	13,600	8,760	3,900
4	6,170	5,520	10,100	16,600	31,800	14,100	32,600	17,800	16,500	13,000	9,650	2,690
5	5,070	5,150	8,690	16,300	36,700	17,000	53,600	16,800	15,000	12,700	10,600	2,920
6	7,220	3,550	7,890	16,600	42,200	18,700	72,200	15,800	13,400	12,500	11,200	5,120
7	7,300	2,740	8,370	17,000	54,700	21,000	70,100	14,700	11,700	12,200	11,400	6,660
8	4,640	5,140	9,410	17,600	65,800	23,400	63,800	13,900	11,200	11,600	12,500	6,060
9	2,780	6,440	9,470	17,900	66,200	24,700	55,000	13,300	11,100	9,400	12,900	5,070
10	2,460	6,800	10,300	18,000	60,400	24,800	49,300	13,000	11,700	7,010	12,300	4,070
11	4,580	6,960	10,000	17,700	53,100	24,200	46,000	13,100	12,400	7,440	11,600	3,860
12	4,220	6,170	9,330	17,300	45,400	23,800	45,100	12,900	12,600	7,880	10,900	5,690
13	4,630	4,160	9,570	16,600	38,900	23,300	44,700	12,500	12,400	7,890	9,170	6,550
14	5,150	3,200	9,810	15,800	33,600	23,900	42,800	12,200	12,400	8,120	7,090	7,050
15	4,830	5,410	10,500	13,800	29,900	25,000	39,200	11,800	12,000	7,430	7,970	7,470
16	2,960	6,190	12,000	11,100	28,100	25,300	34,400	10,900	11,100	5,070	8,750	8,850
17	2,660	7,180	15,000	11,300	27,800	24,500	29,200	9,740	11,000	4,810	8,950	6,380
18	4,460	8,870	19,600	12,300	27,800	23,200	24,400	7,840	11,900	9,010	9,180	4,150
19	5,080	9,830	22,600	13,400	27,180	23,300	21,200	7,800	11,900	12,100	8,230	4,740
20	5,230	9,900	26,600	14,400	24,900	25,000	19,000	8,160	11,200	13,800	6,740	5,270
21	4,270	9,640	32,600	15,000	21,900	27,700	17,400	7,160	11,200	13,600	7,150	6,480
22	4,590	9,910	36,800	15,300	19,700	30,200	16,100	5,570	12,100	12,700	8,430	7,150
23	3,760	10,100	37,500	15,900	18,400	31,600	14,700	6,340	14,100	11,000	7,710	5,420
24	3,830	10,300	36,000	16,500	17,300	31,800	12,200	7,910	16,900	8,110	7,130	3,060
25	4,210	10,300	36,100	17,600	16,200	30,600	11,500	9,340	18,500	8,810	7,670	3,530
26	5,170	10,300	37,500	18,300	15,000	28,100	11,500	9,810	20,000	12,300	7,890	5,190
27	5,510	10,300	38,200	18,300	12,300	24,800	11,700	9,990	20,500	12,800	6,690	4,930
28	5,620	10,700	37,500	18,600	10,500	21,700	12,300	9,810	19,000	12,400	5,020	4,430
29	5,410	11,000	36,100	18,900	------	20,200	14,800	9,460	17,200	10,700	7,020	5,600
30	4,070	11,100	31,100	19,900	------	19,400	16,500	12,100	15,700	7,520	7,060	5,630
31	3,880	------	26,100	21,900	------	18,900	------	15,800	------	5,590	7,490	------
TOTAL	145,380	224,060	626,940	518,500	904,680	707,600	947,000	369,630	427,400	319,390	272,240	161,310
MEAN	4,690	7,469	20,220	16,730	32,310	22,830	31,570	11,920	14,250	10,300	8,782	5,377
MAX	7,300	11,100	38,200	21,900	66,200	31,800	72,200	18,500	20,500	14,400	12,900	8,850
MIN	2,460	2,740	7,890	11,100	10,500	11,500	11,500	5,570	11,000	4,810	5,020	2,690
CFSM	.53	.85	2.29	1.89	3.66	2.59	3.58	1.35	1.61	1.17	.99	.61
IN.	.61	.94	2.64	2.18	3.81	2.98	3.99	1.56	1.80	1.35	1.15	.68

CAL YR 1972 TOTAL 4,241,850 MEAN 11,590 MAX 66,000 MIN 2,080 CFSM 1.31 IN 17.87

WTR YR 1973 TOTAL 5,624,050 MEAN 15,410 MAX 72,200 MIN 2,460 CFSM 1.75 IN 23.69

02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34°17'04", long 79°26'32", Marion County, on right downstream wingwall of bridge on State Highway 38, 2.0 mi (3.2 km) east of Sellers, 2.3 mi (3.7 km) upstream from Stackhouse Creek, and at mile 25.6 (41.2 km).

DRAINAGE AREA.--28 mi² (73 km²), approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (23 m) (from topographic map).

AVERAGE DISCHARGE.--6 years, 29.0 ft³/s (0.821 m³/s), 14.06 in/yr (357 mm/yr).

EXTREMES.--Current year: Maximum discharge 304 ft³/s (8.61 m³/s) Feb. 15, gage height, 6.84 ft (2.085 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Oct. 16-19.

Period of record: Maximum discharge, 890 ft³/s (25.2 m³/s), Mar. 4, 1971 (gage height, 9.15 ft 2.789 m); minimum daily, 0.10 ft³/s (0.003 m³/s) Oct. 5, 1968.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.8	26	41	44	43	197	21	8.0	17	13	3.8
2	1.7	3.8	22	38	147	41	179	19	7.0	15	12	3.5
3	1.5	4.1	20	34	214	92	126	18	6.5	13	13	3.3
4	1.5	4.9	18	34	143	119	95	18	6.0	14	16	4.2
5	1.6	4.9	17	32	103	89	79	15	5.0	14	17	3.6
6	1.6	4.4	26	34	84	76	66	14	5.0	14	18	3.5
7	1.6	4.6	31	35	74	69	81	13	9.0	25	18	3.2
8	1.4	10	27	40	67	62	205	13	15	20	15	12
9	1.4	8.7	26	37	84	58	141	22	24	12	12	29
10	1.2	6.9	25	34	81	56	94	14	30	10	9.5	35
11	1.2	6.5	24	34	77	51	73	14	45	9.0	8.0	16
12	1.1	6.0	23	38	81	78	62	17	70	8.0	7.0	12
13	1.1	5.8	22	38	82	72	54	15	160	7.0	5.5	9.6
14	1.1	6.7	22	38	122	60	49	14	100	6.5	2.2	42
15	1.1	6.9	28	43	265	53	46	14	60	6.0	2.1	33
16	1.0	6.7	35	54	257	48	43	12	50	6.5	2.1	22
17	1.0	16	31	55	172	46	40	11	35	7.0	2.1	17
18	1.0	11	27	55	120	44	38	10	30	9.0	2.2	14
19	1.0	9.3	26	57	95	40	35	9.3	30	11	2.1	12
20	1.1	10	25	56	79	38	32	9.3	25	11	2.1	11
21	1.2	10	29	48	69	40	30	8.9	25	11	2.1	10
22	1.2	9.3	57	59	62	40	28	8.2	45	10	3.6	9.1
23	1.3	8.9	50	64	57	38	26	7.6	70	7.5	2.5	8.5
24	2.0	8.7	45	52	52	35	24	7.1	120	9.0	3.1	8.0
25	3.1	11	41	46	48	34	24	11	80	11	6.7	7.6
26	2.6	26	38	41	46	36	24	8.7	50	12	8.2	7.1
27	2.6	22	35	46	48	34	38	13	35	13	5.4	9.8
28	3.3	17	32	50	46	31	34	12	30	14	4.6	6.9
29	3.5	15	43	72	------	30	27	10	20	16	4.2	6.3
30	3.6	26	36	58	------	31	24	9.5	20	17	9.8	7.8
31	3.6	------	39	49	------	70	------	9.0	------	19	5.1	------
TOTAL	54.3	294.9	945	1,412	2,819	1,644	2,014	397.6	1,215.5	374.5	234.2	370.8
MEAN	1.75	9.83	30.5	45.5	101	53.0	67.1	12.8	40.5	12.1	7.55	12.4
MAX	3.6	26	57	72	265	119	205	22	160	25	18	42
MIN	1.0	3.8	17	32	44	30	24	7.1	5.0	6.0	2.1	3.2
CFSM	.06	.35	1.09	1.63	3.61	1.89	2.40	.46	1.45	.43	.27	.44
IN.	.07	.39	1.26	1.88	3.75	2.18	2.68	.53	1.61	.50	.31	.49

CAL YR 1972 TOTAL 7,020.4 MEAN 19.2 MAX 147 MIN 1.0 CFSM .69 IN 9.33
WTR YR 1973 TOTAL 11,775.8 MEAN 32.3 MAX 265 MIN 1.0 CFSM 1.15 IN 15.64

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-3	0215	5.93	233	4-8	0645	5.66	719
2-15	2330	6.84	304	6-13	Unknown	5.16	194
4-01	1730	5.73	222				

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, on left bank at downstream side of bridge on U.S. Highway 52, 75 ft (23 m) upstream from Seaboard Coast Line Railroad bridge and 1 mi (1.6 km) south of Effingham, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--1,030 mi² (2,670 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1891 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 58.49 ft (17.828 m) above mean sea level. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 1,007 ft³/s (28.52 m³/s), 13.28 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,710 ft³/s (275 m³/s) Feb. 5, gage height, 16.68 ft (5.084 m); minimum, 230 ft³/s (6.51 m³/s) Oct. 19.

Period of record: Maximum discharge, 25,000 ft³/s (708 m³/s) Sept. 22, 1945, gage height, 21.21 ft (6.465 m), from rating curve extended above 17,000 ft³/s (481 m³/s); minimum, 94 ft³/s (2.66 m³/s) Oct. 10, 1954.

REMARKS.--Records good. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	439	980	2,800	2,590	1,990	2,570	1,140	770	2,220	616	419
2	358	487	990	2,510	3,020	1,850	3,030	1,110	735	1,960	674	378
3	419	542	1,040	2,250	4,390	1,970	2,950	1,120	742	1,730	733	356
4	503	542	1,090	2,060	8,000	2,270	2,860	1,250	809	1,460	820	354
5	568	470	1,130	1,850	9,450	2,260	3,030	1,280	916	1,260	965	337
6	598	405	1,130	1,710	7,680	2,440	6,360	1,220	940	1,220	1,230	315
7	494	374	1,050	1,630	6,120	2,520	9,170	1,100	995	1,170	1,230	299
8	381	374	925	1,660	7,860	2,480	8,240	975	1,100	1,150	1,100	288
9	336	378	846	1,710	8,150	2,640	6,540	955	995	975	1,090	285
10	306	379	834	1,730	6,640	3,130	5,420	950	853	848	1,070	280
11	292	414	863	1,810	5,250	3,540	4,550	896	1,270	836	1,050	284
12	277	478	914	2,000	4,530	3,530	3,840	894	1,440	940	892	287
13	264	564	985	2,120	4,100	3,410	3,890	880	2,320	923	727	301
14	257	637	1,070	2,130	3,870	3,210	4,880	884	3,360	856	687	436
15	242	667	1,140	2,110	4,190	3,080	4,480	896	3,420	825	687	531
16	239	604	1,180	2,080	4,790	3,060	3,660	858	3,490	868	618	480
17	235	544	1,100	1,980	5,420	3,050	3,040	841	3,560	1,020	596	461
18	231	524	975	1,870	5,250	2,890	2,600	853	3,200	975	614	501
19	230	564	930	1,790	4,540	2,820	2,270	825	2,860	882	529	564
20	234	648	975	1,770	3,860	2,760	2,030	729	2,570	920	476	620
21	242	729	1,210	1,750	3,510	2,620	1,830	644	2,270	975	476	614
22	243	779	3,470	1,830	3,600	2,400	1,670	586	2,070	1,120	512	494
23	250	822	4,910	2,080	3,440	2,140	1,540	558	1,940	1,140	522	400
24	294	860	4,520	2,210	3,070	1,950	1,450	572	1,850	1,240	518	361
25	316	908	3,630	2,340	2,700	1,830	1,410	620	1,970	1,170	539	337
26	299	1,020	3,140	2,420	2,420	1,790	1,360	685	2,170	829	620	330
27	297	1,070	2,680	2,500	2,240	1,720	1,400	742	2,320	641	663	316
28	342	1,050	2,520	2,560	2,130	1,650	1,400	776	2,400	584	604	308
29	393	1,000	3,060	2,720	------	1,630	1,280	747	2,260	584	588	296
30	425	980	3,330	2,800	------	1,660	1,200	742	2,420	539	529	291
31	427	------	3,130	2,820	------	1,790	------	742	------	539	473	------
TOTAL	10,322	19,252	55,751	65,600	132,920	76,080	99,950	27,070	58,015	32,399	22,448	11,523
MEAN	333	642	1,798	2,116	4,747	2,454	3,332	873	1,934	1,045	724	384
MAX	598	1,070	4,910	2,820	9,450	3,540	9,170	1,280	3,560	2,220	1,230	620
MIN	230	374	834	1,630	2,130	1,630	1,200	558	735	539	473	280
CFSM	.32	.62	1.75	2.05	4.61	2.38	3.24	.85	1.88	1.01	.70	.37
IN.	.37	.70	2.01	2.37	4.80	2.75	3.61	.98	2.10	1.17	.81	.42

CAL YR 1972 TOTAL 384,904 MEAN 1,052 MAX 5,520 MIN 226 CFSM 1.02 IN 13.90
WTR YR 1973 TOTAL 611,330 MEAN 1,675 MAX 9,450 MIN 230 CFSM 1.63 IN 22.08

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry-Marion County line, near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mi (1.6 km) downstream from Lake Swamp, and at mile 41.7 (67.1 km).

DRAINAGE AREA.--2,790 mi² (7,230 km), approximately.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 23.95 ft (7.300 m) above mean sea level. Prior to July 26, 1967, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 3,219 ft³/s (91.16 m³/s), 15.67 in/yr (398 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,100 ft³/s (626 m³/s) Apr. 10, gage height, 11.86 ft (3.615 m); minimum 688 ft³/s (19.5 m³/s) Oct. 22, 23, gage height, 4.26 ft (1.298 m).

Period of record: Maximum discharge, 27,600 ft³/s (782 m³/s) Oct. 9, 10, 1964, gage height, 13.01 ft (3.965 m); minimum, 155 ft³/s (4.39 m³/s) Oct. 12, 13, 1954.
Maximum stage known, 16.0 ft (4.877 m) in September 1928, from floodmark set by local resident.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	889	942	2,530	6,750	10,000	9,650	6,710	3,990	1,310	4,100	2,410	1,470
2	854	977	2,780	6,670	10,500	8,980	8,320	3,760	1,280	4,260	2,070	1,470
3	823	1,000	3,090	6,470	11,000	8,800	11,700	3,640	1,280	4,350	1,920	1,550
4	802	1,040	3,370	6,320	12,600	8,760	14,600	3,590	1,280	4,570	1,830	1,660
5	791	1,050	3,560	6,130	13,600	9,470	16,700	3,490	1,300	4,780	1,840	1,650
6	784	1,070	3,760	6,090	14,200	10,100	18,500	3,440	1,300	4,660	1,850	1,590
7	805	1,070	3,840	5,980	15,900	10,600	19,400	3,370	1,290	4,460	1,850	1,480
8	826	1,100	3,840	6,400	17,600	10,900	20,700	3,220	1,260	4,180	1,840	1,360
9	840	1,110	3,860	6,400	18,500	11,100	21,500	3,110	1,260	3,890	1,980	1,270
10	861	1,120	3,840	6,400	19,100	11,500	21,900	3,040	1,360	3,560	2,440	1,370
11	896	1,120	3,940	6,510	18,100	11,600	21,500	3,040	1,450	3,250	3,060	1,380
12	935	1,120	4,020	6,550	17,100	11,600	20,400	3,130	1,490	3,020	3,590	1,390
13	966	1,130	4,020	6,590	16,500	11,600	19,200	3,000	1,560	2,840	3,990	1,390
14	984	1,140	4,050	6,670	16,200	11,800	17,600	2,860	1,630	2,660	4,240	1,500
15	977	1,150	4,070	6,710	16,300	11,800	15,800	2,740	1,640	2,460	4,130	1,500
16	942	1,170	4,100	6,750	17,300	11,600	14,200	2,550	1,610	2,300	3,760	1,500
17	886	1,230	3,990	6,790	19,200	11,400	12,700	2,410	1,600	2,480	3,390	1,470
18	823	1,260	3,940	6,920	20,500	11,000	11,500	2,280	1,770	2,280	2,930	1,410
19	774	1,320	3,860	7,040	20,600	10,400	10,400	2,150	1,910	2,220	2,460	1,340
20	736	1,390	3,760	7,080	20,200	9,830	9,470	2,040	2,310	2,330	2,080	1,240
21	705	1,450	3,710	7,120	19,000	9,290	8,670	1,930	2,820	2,480	1,870	1,160
22	692	1,510	3,840	7,460	17,300	8,720	7,890	1,830	3,180	2,510	1,790	1,100
23	692	1,560	3,920	7,930	15,700	8,230	7,170	1,740	3,540	2,360	1,710	1,080
24	695	1,600	4,180	8,540	14,200	7,800	6,550	1,690	3,970	2,200	1,630	1,040
25	699	1,660	4,510	9,070	12,900	7,420	6,020	1,630	4,750	2,140	1,560	1,010
26	702	1,790	4,810	9,340	11,700	7,210	5,560	1,570	5,360	2,240	1,580	956
27	729	1,810	5,160	9,650	11,000	6,840	5,190	1,540	5,320	2,440	1,740	910
28	805	1,900	5,630	9,790	10,300	6,550	4,810	1,510	5,030	2,780	1,850	861
29	851	2,010	6,130	10,100	------	6,360	4,490	1,460	4,780	3,160	1,800	812
30	879	2,310	6,550	10,100	------	6,170	4,210	1,420	4,400	2,950	1,660	795
31	907	------	6,790	10,100	------	6,130	------	1,360	------	2,680	1,540	------
TOTAL	25,550	40,109	129,450	230,420	437,100	293,210	373,360	78,530	73,040	96,590	72,390	38,714
MEAN	824	1,337	4,176	7,433	15,610	9,458	12,450	2,533	2,435	3,116	2,335	1,290
MAX	984	2,310	6,790	10,100	20,600	11,800	21,900	3,990	5,360	4,780	4,240	1,660
MIN	692	942	2,530	5,980	10,000	6,130	4,210	1,360	1,260	2,140	1,540	795
CFSM	.30	.48	1.50	2.66	5.60	3.39	4.46	.91	.87	1.12	.84	.46
IN.	.34	.53	1.73	3.07	5.83	3.91	4.98	1.05	.97	1.29	.97	.52

CAL YR 1972 TOTAL 1,088,247 MEAN 2,973 MAX 11,900 MIN 692 CFSM 1.07 IN 14.51
WTR YR 1973 TOTAL 1,888,463 MEAN 5,174 MAX 21,900 MIN 692 CFSM 1.85 IN 25.18

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Beaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--70 mi^2 (181 km^2), approximately.

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 170 ft (52 m) (from topographic map).

AVERAGE DISCHARGE.--5 years, 112 ft^3/s (3.17 m^3/s), 21.73 in/yr (552 mm/yr).

EXTREMES.--Current year: Maximum discharge, 848 ft^3/s (24.0 m^3/s) gage height 7.28 ft (2.219 m) from indicator; minimum daily, 25 ft^3/s (0.7 m^3/s).
Period of record: Maximum discharge 1,330 ft^3/s (37.7 m^3/s), Mar. 5, 1971, gage height, 8.09 ft (2.466 m); minimum daily, 6.7 ft^3/s (0.2 m^3/s) July 21, 1970.

REMARKS.--Records good except for those periods of no gage-height records, which are poor. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	77	132	140	210	150	450	106	41	40	63	70
2	73	65	122	140	244	150	499	103	38	74	55	50
3	68	56	104	141	490	172	517	92	35	58	72	40
4	62	50	94	147	512	192	377	86	31	40	98	38
5	49	46	84	149	458	235	275	75	28	77	97	36
6	35	44	95	155	318	301	222	62	28	77	108	36
7	34	42	113	154	245	306	214	59	62	142	101	60
8	32	99	133	172	210	265	304	62	103	95	76	45
9	29	123	140	176	202	268	391	102	146	57	59	120
10	28	134	132	177	214	270	445	103	169	51	69	140
11	26	125	127	159	226	301	330	94	296	47	49	130
12	25	109	117	158	233	314	250	99	560	43	46	100
13	25	103	106	147	240	307	205	97	640	38	42	80
14	25	104	96	140	250	431	179	83	467	35	42	80
15	26	96	106	135	366	377	161	65	322	33	42	47
16	26	77	134	141	413	240	147	56	248	37	42	86
17	26	96	176	152	474	230	138	44	194	44	42	66
18	26	105	190	166	386	202	130	45	170	56	42	60
19	27	104	143	181	249	183	127	44	161	62	42	55
20	33	113	164	192	235	165	122	49	144	62	44	50
21	31	135	156	192	204	162	116	47	143	61	44	50
22	30	141	216	144	186	161	113	43	265	50	46	46
23	29	123	310	192	172	161	105	41	370	39	50	44
24	36	110	410	181	182	159	105	43	444	52	60	44
25	72	109	386	151	153	156	107	54	359	61	70	40
26	96	133	307	150	147	158	104	58	258	58	85	38
27	96	144	242	159	147	158	111	81	188	71	80	38
28	95	143	206	146	149	153	119	66	146	82	70	36
29	99	131	176	224	------	146	125	56	120	88	70	34
30	99	133	153	233	------	149	114	52	106	96	90	34
31	89	------	146	226	------	200	------	46	------	105	85	------
TOTAL	.496	3.059	5.283	5.256	7.580	6.844	6.503	2.123	6.257	2.081	1.972	1.871
MEAN	48.3	102	170	169	271	221	217	68.5	209	67.1	63.6	62.4
MAX	99	144	410	233	512	431	517	106	640	142	108	140
MIN	25	42	84	135	147	146	104	41	28	33	42	34
CFSM	.69	1.46	2.43	2.41	3.87	3.16	3.10	.98	2.99	.96	.91	.89
IN.	.80	1.63	2.81	2.79	4.03	3.64	3.46	1.13	3.33	1.11	1.05	.99

CAL YR 1972 TOTAL 37.826 MEAN 103 MAX 734 MIN 18 CFSM 1.47 IN 20.10
WTR YR 1973 TOTAL 50.323 MEAN 138 MAX 640 MIN 25 CFSM 1.97 IN 26.74

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-04	1900	6.69	525	6-12	2230	7.28	848
4-03	0100	6.78	570			(from indicator)	

02135500 BLACK RIVER NEAR GABLE, S.C.

LOCATION.--Lat 33°54'00", long 80°09'55", Clarendon County, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1 mi (1.6 km) downstream from Church Branch, 6.3 mi (10.1 km) northwest of Gable, and at mile 123.1 (198.1 km).

DRAINAGE AREA.--401 mi² (1,039 km²).

PERIOD OF RECORD.--June 1951 to June 1966, April 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 95 ft (29 m)(from topographic map). Crest-stage station October 1970 to September 1971 at same site and datum. Prior to Dec. 9, 1955, wire-weight gage at same site and datum.

AVERAGE DISCHARGE.--15 years, 398 ft³/s (11.27 m³/s), 13.51 in/yr (342 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,980 ft³/s (226 m³/s) June 13, gage height, 6.92 ft (2.109 m); minimum daily, 17 ft³/s (0.481 m³/s) Oct. 20-23.

Period of record: Maximum discharge, 12,500 ft³/s (354 m³/s) Mar. 5, 1971, gage height, 6.82 ft (2.079 m); maximum gage height, 6.92 ft (2.109 m) June 13, 1973; no flow July 10-17, Aug. 2 to Oct. 17, 1954, July 17, 18, 1956, Aug. 9-15, Sept. 6, 7, 1957.

REMARKS.--Records good except those below 15 ft³/s (0.425 m³/s) which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	46	420	806	1,270	620	444	275	130	495	175	48
2	119	64	420	780	2,760	620	1,740	268	116	540	91	43
3	105	53	246	756	6,570	600	2,030	265	94	419	91	37
4	88	57	276	732	6,150	636	1,410	226	73	298	101	39
5	85	56	264	696	4,220	660	1,490	205	55	260	119	81
6	58	56	290	848	2,740	672	1,360	147	46	268	298	66
7	53	66	367	704	2,090	874	1,270	175	43	250	419	78
8	43	61	395	853	1,640	1,220	2,070	170	44	193	305	66
9	45	61	385	918	1,540	1,390	2,680	226	68	145	213	60
10	40	61	476	984	1,420	1,240	2,280	275	720	119	160	55
11	25	49	350	986	1,370	1,080	1,790	298	1,710	108	135	49
12	23	61	330	970	1,600	1,070	1,370	320	4,500	123	165	49
13	20	49	325	857	1,730	1,050	1,150	298	7,440	145	160	53
14	19	48	320	846	1,880	1,180	844	290	5,330	123	140	155
15	19	108	320	918	2,580	1,140	828	290	3,470	105	126	187
16	18	108	320	905	4,050	1,060	644	253	2,390	69	145	165
17	19	123	314	879	3,740	905	580	214	1,690	61	232	155
18	18	126	320	886	2,540	863	500	170	1,190	105	253	135
19	19	126	320	866	1,900	792	455	150	879	150	200	108
20	17	130	367	892	1,510	672	410	135	684	98	150	89
21	17	135	401	892	1,300	626	365	123	684	65	123	78
22	17	135	600	966	1,080	578	338	112	473	62	98	66
23	17	135	780	1,030	905	520	405	98	530	71	91	59
24	19	135	905	1,220	780	473	320	108	1,140	71	105	51
25	27	155	1,030	1,140	684	446	347	91	1,430	94	101	45
26	30	219	1,150	1,030	612	437	356	91	1,190	91	101	41
27	29	245	1,150	1,100	580	410	376	89	879	84	160	37
28	33	245	1,100	1,170	550	410	356	86	768	68	119	36
29	36	234	970	1,360	------	392	320	119	636	57	84	33
30	34	290	828	1,450	------	392	298	155	491	51	64	33
31	43	------	806	1,400	------	510	------	150	------	73	55	------
TOTAL	1,221	3,687	16,219	29,856	59,971	23,333	29,764	5,898	38,801	4,872	4,769	2,197
MEAN	39.4	123	523	963	2,142	753	992	190	1,293	157	154	73.2
MAX	119	290	1,150	1,450	6,570	1,390	2,680	320	7,440	540	419	187
MIN	17	46	246	696	550	392	298	86	43	51	55	33
CFSM	.10	.31	1.30	2.40	5.34	1.88	2.47	.47	3.22	.39	.38	.18
IN.	.11	.34	1.50	2.77	5.56	2.16	2.76	.55	3.60	.45	.44	.20

WTR YR 1973 TOTAL 220,585 MEAN 604 MAX 7,440 MIN 17 CFSM 1.51 IN 20.46

02136000 BLACK RIVER AT KINGSTREE, S.C.

LOCATION.--Lat 33°39'40", long 79°50'10", Williamsburg County, on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi (1.6 km) downstream from Kingstree Swamp Canal, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,260 mi², (3,260 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 25.66 ft (7.821 m) above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 920 ft³/s (26.05 m³/s), 9.92 in/yr (252 mm/yr).

EXTREMES.--Current year: Maximum discharge, 58,000 ft³/s (1,640 m³/s) June 14, gage height, 19.77 ft (6.026 m); minimum discharge 75 ft³/s (2.12 m³/s) Oct. 24.

Period of record: Maximum discharge, 58,000 ft³/s (1,640 m³/s) June 14, 1973, gage height, 19.77 ft (6.026 m); minimum, 2.0 ft³/s (0.06 m³/s) Sept. 12-15, Oct. 7, 8, 1954.
Flood of Sept. 21, 1928 reached a stage of 18.0 ft (5.49 m).

REMARKS.--Records good. Records of chemical analyses are published in part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1032: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	117	663	1,860	3,600	3,470	2,080	1,200	340	2,960	971	605
2	124	117	710	1,950	4,040	3,190	2,810	1,210	305	2,670	899	561
3	135	115	763	1,970	4,880	3,170	4,000	1,180	284	2,410	872	518
4	144	119	786	1,940	7,090	3,280	5,810	1,140	266	2,170	815	457
5	164	119	803	1,900	12,100	3,550	5,930	1,080	247	1,920	830	410
6	187	120	863	1,890	15,300	3,710	5,440	1,040	228	1,740	869	396
7	205	124	966	1,870	14,900	3,800	5,490	992	210	1,620	866	372
8	215	129	1,000	1,960	12,200	3,710	6,670	938	199	1,570	820	333
9	219	137	1,040	2,040	9,730	3,470	7,940	899	193	1,560	775	308
10	213	152	1,060	2,110	8,320	3,190	9,050	868	237	1,530	733	318
11	201	164	1,060	2,180	7,190	2,980	8,920	798	507	1,500	743	310
12	183	172	1,070	2,250	6,050	3,050	7,920	778	1,060	1,450	755	296
13	165	178	1,060	2,350	5,900	3,250	7,050	755	9,820	1,340	723	276
14	150	185	1,040	2,430	6,600	3,500	6,140	748	52,800	1,210	648	291
15	137	193	1,020	2,450	7,800	3,560	5,100	763	43,400	1,060	569	363
16	126	205	994	2,450	10,100	3,500	4,160	798	31,100	932	534	474
17	118	222	960	2,430	13,200	3,320	3,470	808	20,900	839	521	532
18	109	234	944	2,370	14,600	3,070	2,960	770	12,500	768	530	549
19	101	259	924	2,320	13,800	2,890	2,570	718	10,600	685	561	547
20	94	280	905	2,250	11,900	2,700	2,310	678	8,440	610	537	523
21	89	292	890	2,180	9,820	2,550	2,090	663	6,820	549	524	476
22	83	294	944	2,170	8,000	2,400	1,880	650	5,560	501	552	444
23	79	296	992	2,200	6,560	2,270	1,710	620	4,900	487	534	412
24	78	294	1,090	2,230	5,540	2,140	1,550	571	4,280	500	498	383
25	78	307	1,220	2,260	4,700	2,040	1,430	533	4,000	485	473	364
26	84	373	1,390	2,270	4,060	2,030	1,330	494	3,600	454	485	349
27	94	428	1,580	2,360	3,720	1,900	1,270	478	3,280	437	556	334
28	112	483	1,690	2,480	3,600	1,920	1,250	471	3,120	530	653	314
29	110	533	1,720	2,730	------	1,860	1,230	449	3,190	738	660	289
30	114	593	1,730	3,020	------	1,780	1,210	484	3,160	923	643	270
31	115	------	1,770	3,380	------	1,780	------	372	------	1,010	635	------
TOTAL	4,147	7,232	33,650	70,240	235,300	89,100	120,760	23,846	235,546	37,158	20,784	12,074
MEAN	134	241	1,085	2,266	8,404	2,874	4,025	769	7,852	1,199	670	402
MAX	219	593	1,770	3,380	15,300	3,800	9,050	1,210	52,800	2,960	971	605
MIN	78	115	663	1,860	3,600	1,780	1,210	372	193	437	473	270
CFSM	.11	.19	.86	1.80	6.67	2.28	3.19	.61	6.23	.95	.53	.32
IN.	.12	.21	.99	2.07	6.95	2.63	3.57	.70	6.95	1.10	.61	.36

CAL YR 1972 TOTAL 348,001 MEAN 951 MAX 7,300 MIN 78 CFSM .75 IN 10.27
WTR YR 1973 TOTAL 889,831 MEAN 2,438 MAX 52,800 MIN 78 CFSM 1.93 IN 26.27

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'05", long 80°58'27", York County, on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5 mi (8 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi² (7,900 km²), approximately.

PERIOD OF RECORD.--September 1895 to September 1903, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 485.82 ft (148.078 m) Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2 mi (3.2 m) downstream, at different datum.

AVERAGE DISCHARGE.--39 years, 4,493 ft³/s (127.2 m³/s), 20.00 in/yr (508 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,800 ft³/s (957 m³/s) Mar. 18 and May 30, gage height, 12.44 ft (3.792m); minimum daily, 775 ft³/s (21.9 m³/s) July 17.

Period of record: Maximum discharge, 151,000 ft³/s (4,280 m³/s) May 23, 1901, gage height, 24.15 ft (7.361 m), site and datum then in use; minimum daily, 490 ft³/s (13.9 m³/s) Oct. 21, 1954.

REMARKS.--Records good, except those for periods of no gage-height record which are poor. Flow regulated by Lake Wylie (usable capacity, 6,542,000,000 cu ft (185,300,000 m³)) and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1303: 1895-1903, WSP 1333: 1942-43(m), 1953(m). WSP 1623: 1942-51 (yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	994	4,920	6,700	2,300	9,040	4,200	19,600	11,400	11,100	5,720	5,670	5,700
2	1,540	1,480	11,000	5,000	9,240	5,330	17,700	11,210	10,500	7,440	3,220	1,370
3	1,540	1,970	9,260	6,800	13,800	5,230	15,600	9,420	7,810	8,630	5,240	2,030
4	5,990	1,540	9,380	6,800	11,100	1,340	13,400	9,540	10,400	8,630	3,120	4,000
5	2,630	920	6,640	6,510	6,530	4,280	8,800	9,220	10,800	8,830	1,020	7,800
6	4,160	4,450	10,400	3,300	5,750	7,330	9,240	5,050	8,500	3,910	8,070	4,560
7	995	5,740	6,660	800	10,500	9,240	10,400	4,520	4,440	5,770	5,510	6,430
8	862	5,010	3,510	2,500	11,200	10,200	14,200	7,850	4,550	2,410	6,550	6,490
9	2,463	3,330	4,740	4,530	10,830	9,880	9,200	9,500	7,480	6,830	6,080	1,230
10	2,770	1,850	6,080	5,000	11,100	9,360	11,100	9,040	5,460	7,240	5,930	4,220
11	4,170	2,070	9,620	5,000	4,780	10,800	11,000	6,440	5,760	6,960	4,670	6,750
12	2,500	1,440	9,120	5,000	9,460	8,920	9,040	4,710	4,570	8,250	880	5,770
13	1,883	7,430	3,560	4,600	11,000	7,560	10,200	857	5,240	3,850	5,390	3,620
14	1,993	4,730	3,380	800	9,540	11,800	9,440	6,270	5,200	6,160	4,740	8,520
15	803	5,070	1,190	4,500	7,180	10,530	3,361	4,870	10,100	1,010	5,190	5,190
16	3,630	6,880	1,510	5,500	11,200	11,600	9,120	6,030	4,020	3,840	5,400	4,360
17	1,973	3,810	820	5,500	10,400	13,600	10,400	6,220	2,130	775	4,460	6,220
18	2,263	3,880	2,570	5,380	2,220	24,200	9,360	3,220	7,000	4,660	2,130	3,890
19	4,030	2,370	5,330	2,510	7,750	15,800	11,400	817	4,210	5,010	1,050	1,330
20	4,760	5,880	3,730	2,390	8,910	13,000	11,600	1,250	4,200	7,140	4,650	5,170
21	1,810	5,940	3,000	800	5,810	14,000	2,220	6,660	4,330	6,120	5,360	1,130
22	793	5,520	4,110	2,000	5,850	10,900	933	6,850	3,920	1,940	5,070	2,680
23	4,583	2,680	4,160	2,800	4,640	11,390	894	10,100	3,270	4,340	2,910	4,960
24	6,903	4,480	7,190	4,630	3,510	10,100	7,770	8,550	1,420	3,380	2,350	9,330
25	3,670	4,410	6,040	4,440	1,050	9,160	7,400	5,310	9,090	4,030	3,500	3,610
26	4,490	1,710	6,880	4,440	3,030	11,000	8,570	2,840	9,490	6,350	795	2,110
27	3,313	4,520	5,320	2,800	6,913	11,200	8,450	847	7,040	6,390	5,350	4,620
28	2,050	5,250	6,840	800	4,460	12,000	11,000	8,140	7,410	4,640	4,470	6,140
29	790	6,530	5,070	3,000	------	12,000	5,690	15,400	5,150	853	8,470	4,300
30	1,740	8,240	2,200	4,500	------	11,100	12,000	21,800	3,690	5,900	7,610	871
31	3,310	------	860	7,500	------	11,800	------	13,900	------	6,000	4,190	------
TOTAL	85,964	124,710	167,667	120,819	220,440	325,790	287,131	233,391	204,250	160,120	145,295	143,761
MEAN	2,773	4,157	5,409	3,897	7,874	10,510	9,578	7,528	6,808	5,165	4,687	4,792
MAX	5,990	8,240	11,000	7,500	13,800	24,200	19,600	21,800	11,100	8,630	8,470	9,330
MIN	790	920	820	800	1,050	1,340	933	817	1,420	775	795	871

CAL YR 1972 TOTAL 1,715,422 MEAN 4,688 MAX 16,900 MIN 560
WTR YR 1973 TOTAL 2,219,571 MEAN 6,081 MAX 24,200 MIN 775

NOTE: No gage-height record Dec. 31 to Feb. 1.

02147000 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, on right bank, 60 ft (20 m) downstream from Seaboard Coast Line Railroad bridge, 200 ft (60 m) downstream from Twelvemile Creek, 2.5 mi (4.0 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi² (9,140 km²), approximately.

PERIOD OF RECORD.--October 1968 to current year. Annual peak stages from June 1906 to December 1948 and gage-height records since May 1958 are available in district office.

GAGE.--Water-stage recorder. Datum of gage is 446.18 ft (135.996 m) above mean sea level (levels by Bowaters Carolina Corporation). June 1906 to Dec. 31, 1948, nonrecording gage at site 2.1 mi (3.4 km) downstream at different datum.

AVERAGE DISCHARGE.--6 years, 5,028 ft³/s (142.4 m³/s), 19.34 in/yr (491 mm/yr).

EXTREMES.--Current year: Maximum discharge, 37,500 ft³/s (1,060 m³/s) Apr. 1, gage height, 17.16 ft (5.230 m); minimum daily, 945 ft³/s (26.8 m³/s) Oct. 3, 8.

Period of record: Maximum discharge, 37,500 ft³/s (1,060 m³/s) Apr. 1, 1973, gage height, 17.16 ft (5.230 m); minimum daily, 798 ft³/s (22.6 m³/s) June 28, 1970.
Maximum stage known since June 1906, 40.4 ft (12.31 m) July 16, 1916 at site and datum then in use, from records furnished by the National Weather Service.

REMARKS.--Records good except those for periods of no gage-height record which are poor. Flow regulated by Lake Wylie (usable capacity, 6,542,000,000 cu ft (185,300,000 m³)) and by other powerplants above the station. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	945	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	945	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	------	[illegible]	[illegible]	------	[illegible]	------	[illegible]	------	[illegible]	[illegible]	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	170,440	153,340	150,930
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	945	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 945

NOTE.--No gage-height record Dec. to Feb. 1.

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34°33'45", long 80°55'00", Chester County, on left bank 350 ft (107 m) downstream from Turkey Branch, 1 mi (1.6 km) west of Great Falls, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--194 mi^2 (502 km^2).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 299 ft (91 m) (by barometer).

AVERAGE DISCHARGE.--22 years, 193 ft^3/s (5.466 m^3/s), 13.51 in/yr (343 mm/yr).

EXTREMES.--Current year: Maximum discharge, 16,600 ft^3/s (470 m^3/s) Apr. 1, gage height, 12.92 ft (3.938 m); minimum, 20 ft^3/s (0.566 m^3/s) Oct. 20 (from indicator).

Period of record: Maximum discharge, 13,300 ft^3/s (886 m^3/s) Aug. 23, 1967, gage height 18.82 ft (5.736 m); minimum, 0.04 ft^3/s (.001 m^3/s) Oct. 6-13, 1954.

REMARKS.--Records fair. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	40	66	127	252	140	10,900	79	80	75	175	33
2	50	35	62	123	4,020	120	3,150	78	71	71	1,010	31
3	45	35	56	159	3,150	200	454	78	62	112	188	31
4	40	35	56	516	506	400	356	77	57	74	123	35
5	40	35	66	366	342	1,000	287	72	53	67	89	32
6	40	33	103	339	275	800	224	69	280	62	72	30
7	40	36	136	329	240	550	495	69	442	84	64	30
8	35	44	[illegible]	309	216	400	3,440	72	162	72	56	29
9	35	79	74	240	266	260	725	87	126	58	52	41
10	30	48	76	195	249	350	403	73	526	53	48	45
11	30	45	71	183	229	700	290	67	200	254	47	33
12	30	43	66	193	235	1,100	240	76	137	117	56	34
13	25	40	64	180	218	487	205	69	2,220	63	45	33
14	25	80	1,620	173	900	309	180	61	350	52	41	958
15	30	94	3,880	269	700	252	164	58	269	59	41	457
16	30	56	4,500	513	450	216	151	55	1,090	56	40	128
17	30	54	496	426	300	1,190	147	52	438	53	46	81
18	25	48	286	456	250	928	140	51	183	58	99	64
19	25	46	216	595	220	332	136	50	120	50	82	59
20	20	45	186	545	200	252	127	90	1,050	43	52	54
21	22	46	330	322	190	316	113	201	3,940	41	50	51
22	22	56	2,010	332	180	407	112	85	1,140	40	51	48
23	25	51	683	411	170	281	105	64	3,400	190	48	47
24	30	47	403	252	160	221	107	72	753	719	59	44
25	40	67	281	200	150	205	105	113	241	400	55	43
26	60	296	226	185	190	208	107	75	177	115	45	41
27	50	147	193	1,000	200	183	107	85	136	87	42	41
28	45	44	162	850	200	159	96	108	108	91	39	41
29	70	68	142	1,380	------	151	85	534	99	69	37	40
30	60	64	130	462	------	193	82	216	85	58	36	38
31	45	------	130	309	------	1,290	------	106	------	58	34	------
TOTAL	1,164	2,003	16,863	12,051	14,736	13,600	23,744	3,042	18,435	3,401	2,922	3,072
MEAN	37.5	66.8	544	389	526	439	791	98.1	615	110	94.3	102
MAX	70	296	4,500	1,380	4,020	1,290	10,900	534	3,940	719	1,010	958
MIN	20	33	56	123	150	120	82	50	53	40	34	29
CFSM	.19	.34	2.80	2.01	2.71	2.26	4.08	.51	3.17	.57	.49	.53
IN.	.22	.38	3.23	2.31	2.83	2.61	4.55	.58	3.53	.65	.56	.59

CAL YR 1972 TOTAL 73,118 MEAN 200 MAX 4,500 MIN 20 CFSM 1.03 IN 14.02
WTR YR 1973 TOTAL 115,033 MEAN 315 MAX 10,900 MIN 20 CFSM 1.62 IN 22.06

PEAK DISCHARGE (BASE, 3,500 CFS) NOTE:--No gage height record Oct. 1 to Nov. 3.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	0400	8.25	6,620	6-21	1400	7.68	5,660
2-03	0100	7.86	5,960	6-23	1600	7.20	4,840
4-01	1500	12.92	16,600	4-8	1300	6.77	4,160

02148000 WATEREE RIVER NEAR CAMDEN, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, in pier of bridge on U.S. Highway 1, 1,500 ft (457 m) downstream from Five and Twenty Creek, 4,000 ft (1,219 m) upstream from Seaboard Coast Line Railroad bridge, 2.2 mi (3.5 km) west of Camden, 7.4 mi (11.9 km) downstream from Wateree Dam, and at mi 68.8 (110.7 km).

DRAINAGE AREA.--5,070 mi² (13,100 km²), approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 mi (2.4 km) downstream 1891-1934, at site 830 ft (253 m) upstream January 1935 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder with remote system to district office. Datum of gage is 119.36 ft (36.381 m) above mean sea level.

January 1903, to September 1910, nonrecording gage at site 1.5 mi (2.4 km) downstream at datum 117.71 ft (35.878 m) above mean sea level. Oct. 1, 1929 to Sept. 1, 1942, recording gage at site 830 ft (253 m) upstream at datum 119.36 ft (36.381 m) above mean sea level.

AVERAGE DISCHARGE.--50 years (1904-10, 1929 to current year), 6,253 ft³/s (177.1 m³/s), 16.75 in/yr (425 mm/yr).

EXTREMES.--Current year: Maximum discharge, 56,100 ft³/s (1,590 m³/s) Apr. 2, gage height, 28.53 ft (8.696 m); minimum daily, 295 ft³/s (8.35 m³/s) Oct. 8.

Period of record: Maximum discharge, 366,000 ft³/s (10,400 m³/s) Aug. 26, 1908 (gage height, 39.7 ft (12.1 m), site and datum then in use, from records of National Weather Service), from rating curve extended above 122,000 ft³/s (3,460 m³/s) on basis of computation, by Duke Power Co., of peak flow of 382,000 ft³/s (10,800 m³/s) over dam at Rocky Creek Reservoir; minimum daily, 163 ft³/s (4.62 m³/s) Sept. 1, 1968.

The flood of July 18, 1916 reached a stage of 40.4 ft (12.3 m), datum, 117.71 ft (35.878 m) above mean sea level, at site 1.5 mi (2.4 km) downstream, from records of National Weather Service, discharge, 400,000 ft³/s (11,300 m³/s) from rating curve extended above 122,000 ft³/s (3,460 m³/s) as explained above.

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 cu ft (791,261,000 m³) and by other powerplants above station.

REVISIONS (WATER YEARS).--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934(m). WSP 1433: 1905-10. WSP 1623: 1930-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,150	4,450	8,560	688	14,100	5,430	24,100	11,200	16,000	8,300	6,870	6,010
2	1,260	2,220	6,570	5,240	14,500	6,350	44,100	10,400	15,400	8,660	6,610	2,720
3	2,610	2,730	2,710	8,740	26,500	7,460	49,000	11,500	12,300	12,200	9,830	1,420
4	6,020	738	3,740	3,470	30,700	11,500	27,400	11,800	13,000	6,200	6,600	7,690
5	5,210	418	4,540	10,000	22,600	15,600	20,400	11,900	12,400	7,550	1,900	7,580
6	6,180	3,820	3,740	13,400	19,000	16,000	18,400	6,860	10,200	7,450	2,670	8,270
7	770	5,840	7,100	8,880	17,400	16,600	18,000	6,690	12,200	7,450	7,500	7,770
8	295	4,340	9,350	9,780	16,400	17,000	25,400	9,570	10,200	7,420	4,770	5,600
9	6,200	3,020	5,590	8,830	15,800	17,400	29,800	12,200	7,120	8,230	6,370	1,520
10	4,960	3,150	962	10,500	16,700	17,200	23,100	11,200	12,200	4,700	6,170	3,160
11	4,930	2,660	5,170	11,600	15,100	15,000	19,700	7,740	15,500	7,460	4,610	6,270
12	4,020	1,870	9,380	9,480	15,300	17,100	17,400	3,840	14,100	4,220	1,780	6,070
13	2,610	7,200	5,520	6,720	15,200	14,300	17,200	1,710	13,400	4,550	4,720	5,160
14	2,570	7,450	10,000	2,080	15,100	14,700	16,000	6,790	12,700	6,890	5,160	8,530
15	386	6,550	15,700	5,880	17,400	16,500	9,690	7,050	14,100	4,450	5,640	12,200
16	2,150	8,890	17,200	7,020	17,500	14,100	12,400	7,150	15,500	4,870	5,340	5,980
17	2,450	6,240	22,300	9,190	17,000	15,500	14,700	7,980	12,200	2,070	6,360	6,540
18	2,070	4,200	18,200	8,150	6,620	16,400	14,400	5,050	9,570	3,400	3,310	5,160
19	4,560	3,250	15,500	6,470	9,250	15,600	11,800	1,490	4,290	5,050	1,850	2,120
20	5,430	5,510	16,100	6,170	10,800	15,600	11,300	611	4,460	7,140	4,580	4,880
21	2,810	5,950	16,500	6,100	8,310	15,700	7,890	5,950	10,500	7,600	6,250	4,550
22	979	9,400	17,600	5,790	7,240	15,700	2,630	7,650	17,000	3,440	5,950	3,840
23	4,900	4,580	17,400	11,800	6,470	15,700	1,260	9,770	17,700	6,070	5,120	3,870
24	5,840	4,590	17,100	7,430	4,810	16,600	8,420	9,360	17,200	4,030	5,880	7,570
25	2,050	5,420	14,200	6,200	1,750	15,600	9,230	5,950	16,800	5,250	6,010	5,220
26	2,320	4,070	13,300	9,790	5,100	15,500	8,580	3,610	10,600	7,520	1,560	2,950
27	4,420	5,410	9,590	14,200	6,690	15,500	9,210	970	12,600	7,540	7,780	4,630
28	3,360	6,690	4,950	10,800	6,410	16,400	11,400	7,170	8,960	6,240	8,030	7,470
29	688	8,520	4,170	15,100	------	16,300	11,900	14,600	7,550	2,570	8,920	5,760
30	3,280	10,300	3,260	16,500	------	16,300	11,300	15,800	6,740	3,780	7,530	930
31	3,410	------	2,130	16,400	------	17,400	------	16,000	------	5,480	5,130	------
TOTAL	100,766	150,676	309,172	275,248	387,660	470,940	506,510	250,061	371,490	193,690	174,800	161,400
MEAN	3,251	5,023	9,973	8,879	13,850	15,190	16,880	8,066	12,380	6,248	5,639	5,380
MAX	6,200	10,300	22,300	16,500	30,700	17,400	49,000	16,000	17,700	12,200	9,830	12,200
MIN	295	418	962	688	1,750	5,430	1,260	611	4,290	2,070	1,560	930

CAL YR 1972 TOTAL 2,475,596 MEAN 6,764 MAX 22,300 MIN 295
WTR YR 1973 TOTAL 3,352,513 MEAN 9,185 MAX 49,000 MIN 295

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, at bridge on State Highway 262, 0.2 mi (0.3 km) above Jumping Run Creek, 1.9 mi (3.1 km) southwest of Leesburg, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--38.1 mi² (98.7 km²).

PERIOD OF RECORD.--September 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 155 ft (47.2 m) (from topographic map).

AVERAGE DISCHARGE.--7 years, 45.7 ft³/s (1.29 m³/s), 16.29 in/yr (414 mm/yr).

EXTREMES.--Current year: Maximum discharge, 494 ft³/s (14.0 m³/s) June 10, gage height 5.28 ft (1.609 m); minimum, 19 ft³/s (0.54 m³/s) Oct. 11, 12, 18, 19, gage height 1.81 ft (0.552 m).
Period of record: Maximum discharge, 494 ft³/s (14.0 m³/s) June 10, gage height 5.28 ft (1.609 m); minimum, 11 ft³/s (0.31 m³/s) July 12-14, 1970.

REMARKS.--Records good except those for period of no gage height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	28	42	44	54	52	164	52	33	35	35	28
2	24	26	37	44	119	52	135	48	31	33	67	27
3	23	26	34	45	166	77	106	47	29	33	82	29
4	36	26	33	47	123	93	97	47	27	33	98	33
5	64	25	32	47	93	97	83	45	26	30	118	32
6	29	25	54	47	75	112	74	42	26	30	105	30
7	23	25	96	49	71	115	87	42	54	33	86	29
8	21	67	91	56	66	106	168	43	67	30	67	30
9	20	77	75	63	75	110	142	40	59	30	53	33
10	20	54	52	56	85	130	114	76	278	30	43	49
11	19	36	40	49	88	120	94	65	308	30	39	45
12	19	31	42	49	98	110	80	78	180	28	44	41
13	20	31	[illegible]	48	105	96	75	65	129	28	35	38
14	21	33	[illegible]	47	111	97	70	52	115	33	34	47
15	21	32	52	48	133	79	66	47	139	33	34	46
16	20	30	81	56	133	72	64	42	115	33	48	39
17	20	54	[illegible]	60	112	74	62	38	97	35	36	35
18	19	53	66	62	93	76	60	36	78	40	40	32
19	20	47	52	66	79	68	54	34	64	35	40	31
20	21	49	45	69	72	58	57	36	57	32	37	30
21	22	40	40	63	67	59	54	37	53	30	43	30
22	22	26	93	57	63	70	52	34	50	29	44	30
23	22	29	115	58	60	70	50	33	45	40	41	30
24	26	31	109	52	58	64	54	34	40	206	38	29
25	37	37	86	46	56	60	74	46	35	135	39	29
26	32	78	74	44	54	68	71	40	35	96	36	36
27	28	72	64	70	54	67	77	36	35	70	34	37
28	50	55	54	77	54	61	75	36	33	51	32	35
29	62	42	[illegible]	83	------	58	68	37	40	44	30	32
30	42	44	44	76	------	74	58	39	35	38	29	32
31	30	------	43	66	------	112	------	36	------	35	28	------
TOTAL	857	1,239	1,874	1,740	2,417	2,547	2,490	1,423	2,313	1,418	1,536	1,024
MEAN	27.6	41.3	60.5	56.1	86.3	82.2	83.0	45.9	77.1	45.7	49.5	34.1
MAX	64	78	115	83	166	130	168	80	308	206	118	49
MIN	19	25	32	44	54	52	50	33	26	28	28	27
CFSM	.72	1.08	1.59	1.47	2.27	2.16	2.18	1.20	2.02	1.20	1.30	.90
IN.	.84	1.21	1.83	1.70	2.36	2.49	2.43	1.39	2.26	1.38	1.50	1.00

CAL YR 1972 TOTAL 15,526 MEAN 42.4 MAX 208 MIN 16 CFSM 1.11 IN 15.16
WTR YR 1973 TOTAL 20,878 MEAN 57.2 MAX 308 MIN 19 CFSM 1.50 IN 20.38

PEAK DISCHARGE (BASE, 200 CFS)

NOTE: No gage height record June 12-July 18

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
6-10	1600	5.28	994	7-24	1030	4.43	252

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, on right bank, 2.4 mi (3.9 km) upstream from Southern Railway bridge, 2.5 mi (4.0 km) northeast of Wateree, 5.0 mi (8.0 km) southeast of Eastover, and at mile 12.0 (19.3 km).

DRAINAGE AREA.--5,590 mi² (14,480 km²), approximately.

PERIOD OF RECORD.--July 1968 to current year, discharge below 10,000 ft³/s (283 m³/s) only.

GAGE.--Water-stage recorder. Datum of gage is 77.43 ft (23.601 m) above mean sea level (South Carolina Electric and Gas Company benchmark).

EXTREMES.--Current year: Maximum gage height, 15.46 ft (4.712 m) Apr. 5; minimum daily discharge, 1,300 ft³/s (36.8 m³/s) Nov. 6.

Period of record: Maximum gage height, 16.71 ft (5.093 m) Dec. 14, 1969; minimum daily discharge, 702 ft³/s (19.9 m³/s) Sept. 3, 1968.

REMARKS.--Records fair. Flow regulated by powerplant at Wateree Reservoir, usable capacity, 2,794,000,000 ft³ (79,126,000 m³), and by other powerplants above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,780	3,310	8,810	4,300		6,830	9,590	9,370	9,790	8,400	5,710	4,270
2	2,060	4,100	8,840	2,930		6,410		9,510	9,850	8,070	6,260	3,590
3	1,760	3,210	7,390	2,770		7,020		9,620	9,870	8,290	6,230	4,060
4	2,630	2,480	4,930	6,790		8,240		9,610	9,800	8,780	7,680	4,060
5	4,530	2,110	4,390	7,190	10,000	9,590		9,590	9,850	8,200	7,560	4,110
6	5,240	1,300	4,670	8,070				9,590	9,820	7,170	6,740	4,910
7	5,110	2,180	4,360	9,900				8,990	9,690	7,250	6,730	5,530
8	2,670	4,770	5,790					7,850	9,580	7,060	6,760	5,740
9	1,490	4,780	8,220	9,900				8,250	9,610	7,460	6,880	4,610
10	3,080	3,630	7,180	9,900	10,000			9,260	9,620	7,580	5,260	2,440
11	4,990	3,330	3,680	9,900			9,590	9,440	9,680	8,220	4,270	1,740
12	4,910	2,700	3,760	9,900	10,000		9,590	9,050	9,760	7,900	4,040	2,390
13	4,020	2,410	7,660		10,000			7,000	9,800	6,000	2,300	3,760
14	3,030	4,820	7,730	9,940	10,000	9,590		4,160	9,850	5,000	1,890	3,910
15	2,660	6,900	8,540	9,940				4,860	9,890	7,370	3,230	5,220
16	1,810	6,700		6,000				6,740	9,920	6,000	3,690	6,650
17	1,360	7,400		7,170				6,910	9,890	5,000	3,660	6,230
18	2,230	7,600		8,300		9,590	9,590	7,350	9,820	4,500	3,980	5,150
19	2,230	5,500		8,370				6,620	9,750	5,000	3,030	4,450
20	3,350	3,970		7,970	9,990			5,330	9,310	6,000	1,670	4,000
21	5,140	4,670		7,190	9,930		10,000	5,330	9,060	7,000	1,950	3,710
22	3,440	6,010		6,820	9,450	9,590	9,650	5,370	8,880	7,170	3,480	4,200
23	2,020	7,520		6,880	8,470	9,590		6,730	9,520	5,000	3,960	4,100
24	3,090	6,390		9,010	7,570			8,070	9,750	6,320	3,660	4,000
25	5,020	4,600	7,730	8,770	6,300	9,590		8,370	9,820	5,000	3,840	5,700
26	3,530	5,920	7,730	7,650	3,860	9,590		7,400	9,860	6,320	4,060	6,000
27	2,270	5,430		8,500	4,750			7,070	9,870	6,550	2,670	4,400
28	3,420	5,450		9,890	6,710			7,070	9,850	7,070	2,620	4,700
29	3,840	6,390	9,090	10,000	------			7,090	9,760	6,530	5,170	6,100
30	2,330	7,740	7,190		------			8,080	9,430	5,840	5,750	6,600
31	2,220	------	5,550		------		------	9,500	------	5,830	5,490	------
TOTAL	99,260	143,320						239,280	290,950	207,880	140,220	136,430
MEAN	3,202	4,777						7,719	9,698	6,706	4,523	4,548
MAX	5,240	7,740						9,620	9,920	8,780	7,680	6,650
MIN	1,360	1,300						4,160	8,880	4,500	1,670	1,740

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, on right bank at McMillin Mill, about 400 ft (120 m) downstream from Obed Creek, 1.4 mi (2.3 km) south of Fingerville, and at mile 48.5 (78.0 km).

DRAINAGE AREA.--116 mi² (300 km²).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft (218.103 m) above mean sea level. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft (120 m) downstream at datum 5.60 ft (1.707 m) higher.

AVERAGE DISCHARGE.--44 years, 209 ft³/s (5.919 m³/s), 24.49 in/yr (622 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,320 ft³/s (122 m³/s) May 24, gage height 14.77 ft (4.502 m); minimum, 56 ft³/s (1.59 m³/s) Nov. 4, gage height 3.05 ft (0.930 m); minimum daily, 113 ft³/s (3.20 m³/s) Oct. 4,22,26.

Period of record: Maximum discharge, 12,500 ft³/s (354 m³/s) Aug. 14, 1940, gage height, 27.13 ft (8.269 m) from rating curve extended above 4,300 ft³/s (122 m³/s) on basis of computation of peak flow over dam 2.0 mi (3.2 km) above station: minimum, 9.0 ft³/s (0.25 m³/s) Oct. 6, 1954; minimum daily, 28 ft³/s (0.79 m³/s) Oct. 6, 7, 1954.

REMARKS.--Records good. Some diurnal fluctuation at low and medium flow caused by mill above station. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	128	140	218	250	213	1.220	251	359	217	260	136
2	122	125	166	208	1.980	212	919	251	325	229	470	131
3	116	144	159	205	1.900	300	447	259	295	209	255	130
4	113	135	155	252	494	265	396	262	265	224	218	131
5	427	125	153	228	374	372	355	244	247	216	208	136
6	360	122	352	222	338	342	329	234	549	199	198	132
7	197	126	315	208	311	314	464	233	548	193	194	129
8	159	294	230	222	284	345	863	352	332	191	193	127
9	143	193	213	212	287	341	723	558	647	190	178	133
10	133	162	202	205	258	305	618	376	443	186	173	165
11	129	152	209	198	250	336	368	325	323	196	402	136
12	127	143	192	195	238	607	348	292	288	193	239	127
13	126	141	190	188	235	407	330	266	285	180	207	158
14	128	471	192	185	281	334	317	251	270	182	197	397
15	122	309	1.050	188	350	304	312	244	263	383	186	209
16	118	208	1.830	192	280	354	309	234	252	256	176	159
17	118	185	500	189	253	1.360	311	231	243	302	172	148
18	119	170	320	188	244	1.070	308	226	296	231	196	146
19	125	180	275	191	239	426	302	221	242	210	179	139
20	116	388	240	198	233	355	295	226	242	198	170	135
21	114	255	350	185	229	341	284	222	314	149	174	133
22	113	211	713	422	226	349	277	213	303	191	165	131
23	115	191	446	380	219	307	274	212	385	177	161	133
24	121	178	344	278	214	293	269	288	275	262	158	131
25	117	195	309	245	210	337	293	249	243	222	156	129
26	113	285	281	242	214	760	296	225	232	221	151	123
27	117	218	260	491	245	532	354	308	223	552	148	124
28	232	200	242	350	223	369	302	2.360	272	275	145	133
29	175	172	230	305	------	336	270	2.670	251	218	142	128
30	142	176	225	260	------	360	260	643	223	198	141	127
31	133	------	220	245	------	471	------	427	------	195	139	------
TOTAL	4.631	5.982	10.755	7.495	10.869	13.017	12.013	13.353	9.425	7.075	6.149	4.376
MEAN	149	199	347	242	388	420	400	431	314	228	198	146
MAX	427	471	1.830	491	1.980	1.360	1.220	2.670	647	552	470	397
MIN	113	122	153	185	210	212	260	212	223	177	139	123
CFSM	1.28	1.72	2.99	2.09	3.34	3.62	3.45	3.72	2.71	1.97	1.71	1.26
IN.	1.49	1.92	3.45	2.40	3.49	4.17	3.85	4.28	3.02	2.27	1.97	1.40

CAL YR 1972 TOTAL 82.005 MEAN 224 MAX 3.370 MIN 97 CFSM 1.93 IN 26.30
WTR YR 1973 TOTAL 105.140 MEAN 288 MAX 2.670 MIN 113 CFSM 2.48 IN 33.72

PEAK DISCHARGE (BASE, 1600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1000	9.79	2370	3-18	0045	8.30	1770
2-03	0115	11.63	3100	5-29	0215	14.77	4320

02154950 LAKE WILLIAM C. BOWEN NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'45", long 82°02'26", Spartanburg County, at bridge on State Highway 9, 1.7 mi (2.7 km) upstream from the dam and 2.8 mi (4.5 km) southwest of Fingerville.

DRAINAGE AREA.--79.4 mi² (205.6 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft (283.840 m) above mean sea level (Spartanburg Water Works datum).

EXTREMES.--Current year: Maximum gage height, 17.12 ft (5.218 m) May 23; minimum, 13.00 ft (3.962 m) Sept. 4.

Period of record: Maximum gage height, 17.12 ft (5.218 m) May 23, 1973; minimum, 11.30 ft (3.444 m) Oct. 18, 19, 1970.

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal (28.009 hm³). Spillway crest is at gage height 15 ft (4.6 m). Water used as inflow to South Pacolet River Reservoir, capacity, 1,104,000,000 gal (4.179 hm³).

Capacity table [(gage height, in feet (and meters) and usable contents, in billions of gallons (and millions of cubic meters)]
(Prepared from curve by Wiedeman and Singleton Engineers of Atlanta, Ga.)

11 ft (3.35 m)	5.45 (20.628 m³)
12 ft (3.66 m)	5.90 (22.331 m³)
13 ft (3.96 m)	6.35 (24.035 m³)
14 ft (4.27 m)	6.80 (25.738 m³)
15 ft (4.57 m)	7.30 (27.630 m³)
16 ft (4.88 m)	7.80 (29.523 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.32	14.55	15.06	15.00	15.38	14.94	15.83	15.07	15.19	14.94	15.31	13.24
2	14.29	14.55	15.07	14.94	16.13	14.95	15.45	15.06	15.15	14.93	15.19	13.14
3	14.27	14.57	15.04	14.96	15.51	15.04	15.30	15.11	15.12	14.90	15.14	13.04
4	14.24	14.56	15.05	14.98	15.31	15.08	15.25	15.07	15.09	14.89	15.05	13.06
5	14.73	14.54	15.04	15.00	15.22	15.16	15.20	15.05	15.08	14.86	15.00	13.13
6	14.81	14.52	15.21	15.00	15.19	15.15	15.17	15.03	15.47	14.78	14.94	13.22
7	14.82	14.59	15.22	14.98	15.15	15.14	15.54	15.02	15.30	14.73	14.91	13.25
8	14.80	14.67	15.17	14.98	15.17	15.21	15.51	15.27	15.20	14.67	14.86	13.26
9	14.77	14.67	15.15	14.98	15.11	15.19	15.35	15.26	15.23	14.62	14.80	13.29
10	14.73	14.68	15.14	15.00	15.10	15.14	15.24	15.19	15.17	14.55	14.74	13.30
11	14.71	14.68	15.14	15.00	15.04	15.32	15.19	15.26	15.12	14.53	14.73	13.31
12	14.69	14.67	15.13	14.96	15.07	15.37	15.16	15.16	15.09	14.46	14.67	13.31
13	14.68	14.78	15.11	14.90	15.06	15.25	15.15	15.11	15.08	14.39	14.62	13.55
14	14.67	15.19	15.17	14.86	15.15	15.18	15.14	15.08	15.06	14.44	14.57	13.91
15	14.64	15.18	16.16	14.80	15.17	15.16	15.14	15.05	15.06	14.67	14.51	13.95
16	14.62	15.15	15.60	14.76	15.06	15.51	15.13	15.02	15.07	14.71	14.44	13.96
17	14.59	15.13	15.36	14.74	15.06	15.68	15.14	14.98	15.13	14.75	14.38	13.96
18	14.59	15.11	15.25	14.71	15.05	15.37	15.13	14.94	15.07	14.73	14.35	13.96
19	14.56	15.21	15.29	14.70	15.04	15.26	15.13	14.93	15.04	14.70	14.27	13.94
20	14.52	15.23	15.15	14.65	15.03	15.21	15.12	14.93	15.04	14.66	14.22	13.93
21	14.49	15.15	15.32	14.62	15.02	15.22	15.11	14.90	15.16	14.60	14.16	13.92
22	14.47	15.11	15.40	14.99	14.98	15.18	15.09	14.86	15.15	14.54	14.08	13.91
23	14.46	15.08	15.27	15.05	14.97	15.15	15.09	14.87	15.15	14.56	14.00	13.91
24	14.46	15.07	15.26	15.05	14.94	15.13	15.08	14.98	15.08	14.88	13.92	13.90
25	14.44	15.19	15.19	15.03	14.93	15.23	15.13	14.95	15.04	14.92	13.83	13.87
26	14.42	15.16	15.10	15.18	14.93	15.49	15.16	15.06	15.01	15.16	13.76	13.85
27	14.47	15.12	15.09	15.24	14.97	15.31	15.17	15.24	15.00	15.52	13.68	13.83
28	14.57	15.10	15.06	15.19	14.96	15.22	15.10	16.75	15.07	15.28	13.60	13.81
29	14.58	15.08	15.06	15.10	------	15.21	15.08	15.68	15.03	15.15	13.51	13.74
30	14.57	15.10	15.04	15.08	------	15.22	15.08	15.38	14.99	15.09	13.42	13.73
31	14.56	------	15.02	15.06	------	15.56	------	15.25	------	15.05	13.33	------
MEAN	14.57	14.91	15.21	14.95	15.13	15.23	15.21	15.14	15.11	14.79	14.39	13.61
MAX	14.82	15.23	16.16	15.24	16.13	15.68	15.83	16.75	15.47	15.52	15.31	13.96
MIN	14.24	14.52	15.02	14.62	14.93	14.94	15.08	14.86	14.99	14.39	13.33	13.04
(†)	7.08	7.35	7.31	7.33	7.28	7.58	7.34	7.42	7.30	7.32	6.50	6.68
(‡)	+5.49	+13.92	-2.00	+1.00	-2.76	+14.97	-12.38	+3.99	-6.19	+1.00	-40.93	+9.28

CAL YR 1972 ‡ -.25 MAX 16.16 MIN 13.74
WTR YR 1973 ‡ -1.23 MAX 16.75 MIN 13.04

(†) Contents, in billions of gallons, at end of month.
(‡) Change in contents, equivalent in cubic feet per second.

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, on right bank 100 ft (30 m) upstream from highway bridge, 0.2 mi (0.3 km) downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi (4.5 km) southeast of Fingerville, and at mile 46.5 (74.8 km).

DRAINAGE AREA.--212 mi² (549 km²).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 706.33 (215.289 m) above mean sea level.

AVERAGE DISCHARGE.--44 years, 344 ft³/s (9.742 m³/s), 22.04 in/yr (560 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,080 ft³/s (172 m³/s) Feb. 3, gage height, 8.58 ft (2.615 m); minimum daily, 135 ft³/s (3.82 m³/s) Oct. 17.

Period of record: Maximum discharge, 22,800 ft³/s (646 m³/s) Aug. 14, 1940, gage height, 22.43 ft (6.837 m), from rating curve extended above 9,600 ft³/s (272 m³/s) by velocity-area studies; minimum daily, 32 ft³/s (0.91 m³/s) Oct. 6, 7, 1954.

Flood of June 1903 reached a stage of 46 ft (14.0 m), from floodmark (discharge not determined).

REMARKS.--Records good. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 23,960,000 gal per day (90,800 m³) or 37.1 ft³/s (1.05 m³/s) diverted above station for city of Spartanburg water supply during water year 1973. Records of chemical analyses published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1303: 1930-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	216	175	240	360	3,790	360	3,020	364	570	366	363	220
2	166	172	237	336	3,470	336	1,430	317	615	352	790	210
3	147	184	280	368	1,320	432	1,030	332	485	329	535	210
4	142	180	231	432	1,310	397	400	352	442	337	395	210
5	560	216	221	401	854	608	554	328	414	398	376	210
6	500	192	470	347	703	637	510	317	1,380	322	324	210
7	221	175	440	385	679	582	458	313	1,180	316	251	200
8	175	352	450	401	547	637	1,340	515	560	314	250	200
9	154	251	460	349	476	650	1,120	983	1,370	309	250	210
10	150	211	397	385	437	444	780	637	956	262	350	230
11	145	192	321	376	419	680	648	571	653	315	650	220
12	147	186	270	368	406	1,160	615	490	550	328	490	210
13	147	186	272	360	380	850	582	305	466	312	380	214
14	145	725	270	356	441	669	514	298	381	299	320	605
15	137	437	2,240	350	577	688	410	313	336	535	300	369
16	137	356	3,520	354	495	656	405	328	327	380	290	213
17	135	424	1,320	328	455	2,890	401	313	390	433	280	185
18	137	305	730	298	442	2,010	419	313	563	351	290	177
19	153	313	676	287	380	930	490	397	479	329	270	169
20	158	571	620	287	340	660	535	397	379	312	270	170
21	155	343	690	280	328	654	520	336	397	301	280	187
22	153	336	1,360	588	324	654	376	336	428	290	260	161
23	163	305	1,060	540	313	588	360	324	709	286	260	165
24	163	290	764	401	309	465	348	410	518	381	250	163
25	163	309	587	364	302	545	385	376	415	345	250	159
26	163	423	660	364	302	1,140	401	364	338	371	240	154
27	169	348	615	840	356	1,010	455	604	329	1,230	230	154
28	297	336	490	670	352	698	485	5,000	385	752	230	164
29	236	298	380	604	------	615	500	4,000	399	524	230	185
30	192	290	360	550	------	659	360	1,460	376	471	220	229
31	180	------	348	397	------	866	------	876	------	395	220	------
TOTAL	5,906	9,066	21,140	12,816	20,507	23,831	21,852	22,219	16,978	12,215	10,064	6,343
MEAN	191	302	682	413	732	769	728	717	566	394	325	211
MAX	560	725	3,520	840	3,790	2,890	3,020	5,000	1,380	1,230	790	605
MIN	135	172	221	280	302	336	348	298	327	262	220	154
CFSM	.90	1.42	3.22	1.95	3.45	3.63	3.43	3.38	2.67	1.86	1.53	1.00
IN.	1.04	1.59	3.71	2.25	3.60	4.18	3.83	3.90	2.98	2.14	1.77	1.11

CAL YR 1972 TOTAL 135,395 MEAN 370 MAX 6,340 MIN 108 CFSM 1.75 IN 23.76
WTR YR 1973 TOTAL 182,963 MEAN 501 MAX 5,000 MIN 135 CFSM 2.36 IN 32.10

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, on right bank at downstream side of bridge on State Highway 72, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neals Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 290.70 ft (88.605 m) above mean sea level, datum of 1929.

AVERAGE DISCHARGE.--35 years, 3,973 ft³/s (112.5 m³/s), 19.34 in/yr (491 mm/yr).

EXTREMES.--Current year: Maximum discharge, 57,700 ft³/s (1,630 m³/s) Feb. 3, gage height, 21.54 ft (6.565 m); minimum, 640 ft³/s (18.1 m³/s) Oct. 3; minimum daily, 1,530 ft³/s (43.3 m³/s) Oct. 19.

Period of record: Maximum discharge, 103,000 ft³/s (2,917 m³/s) Aug. 15, 1940, gage height, 29.41 ft (8.964 m), from rating curve extended above 66,000 ft³/s (1,869 m³/s) on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 ft³/s (1.05 m³/s), Aug. 29, 1955; minimum daily, 44 ft³/s (1.25 m³/s) Sept. 2, 1956.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,630	2,060	2,470	4,540	5,340	4,470	39,400	4,720	7,340	3,880	2,860	1,900
2	3,030	2,260	3,030	3,750	25,300	4,910	14,700	4,740	6,030	3,850	4,690	1,870
3	1,980	1,920	3,110	4,710	56,000	4,820	15,100	4,760	5,490	4,140	7,160	1,910
4	2,320	1,760	2,880	3,910	47,300	7,450	9,480	4,730	5,010	3,670	5,490	1,800
5	2,170	1,840	2,450	4,550	12,100	7,060	8,750	4,590	4,360	3,760	4,640	1,990
6	3,140	1,890	2,490	4,570	6,520	6,940	7,300	4,150	4,740	3,640	3,830	2,000
7	3,550	1,970	4,070	4,190	7,460	7,490	7,760	4,320	4,710	3,610	3,370	2,060
8	2,760	2,550	4,720	4,330	6,670	5,940	20,300	4,450	4,530	3,220	3,150	2,230
9	2,240	2,730	4,240	4,060	6,770	9,630	19,500	4,890	6,120	2,760	3,050	2,250
10	1,760	2,760	3,660	4,050	5,980	7,270	11,100	7,440	12,300	2,970	2,820	2,220
11	1,780	2,740	4,350	4,340	5,420	6,350	8,730	6,210	10,800	3,550	2,420	2,440
12	1,720	2,110	4,470	3,440	5,140	11,200	7,440	6,910	6,140	3,390	3,280	2,390
13	1,810	2,050	3,940	3,710	4,790	12,700	6,610	5,840	5,260	3,270	3,630	2,470
14	1,580	2,740	4,730	3,650	4,730	8,620	6,150	4,910	4,960	3,020	2,730	8,190
15	1,680	7,940	15,900	3,310	6,510	5,900	5,960	4,350	7,630	3,310	3,010	14,300
16	1,720	5,580	35,700	3,790	6,740	5,240	5,540	4,210	16,600	4,690	3,200	7,790
17	1,550	3,940	26,200	4,250	5,420	22,000	5,170	4,220	12,500	4,480	3,260	3,190
18	2,270	2,760	10,400	4,230	4,420	40,600	5,420	4,010	6,570	3,260	3,140	2,700
19	1,530	2,540	6,720	4,490	4,530	21,000	5,420	3,840	5,680	3,290	2,910	3,070
20	1,860	4,700	5,700	4,520	4,520	10,300	5,380	4,100	6,980	3,120	2,600	2,690
21	1,850	6,060	5,370	4,050	4,410	8,610	5,410	3,810	5,420	2,910	2,680	2,610
22	1,560	4,610	15,700	5,550	4,230	8,780	4,300	3,870	5,620	2,930	2,640	2,280
23	1,540	3,750	16,300	13,000	4,120	8,020	4,730	3,740	6,900	2,790	2,500	2,280
24	1,920	3,050	10,400	9,140	3,740	6,720	4,730	3,920	6,050	2,840	2,450	2,250
25	1,920	2,800	7,520	5,600	3,800	6,170	4,420	5,560	4,990	3,450	2,350	2,280
26	1,920	4,510	6,240	5,240	3,420	6,950	4,800	5,260	4,390	3,230	1,950	1,900
27	2,180	5,140	5,350	8,400	3,910	9,920	5,130	4,870	3,930	3,250	2,480	2,280
28	2,260	4,130	4,910	11,400	4,520	8,140	6,150	9,140	3,680	4,890	2,220	2,120
29	2,270	3,130	4,590	9,740	------	6,810	6,070	31,500	4,240	4,290	2,520	2,280
30	2,350	2,910	4,030	6,970	------	6,390	5,490	36,300	4,320	3,140	2,450	2,100
31	1,990	------	4,010	5,950	------	10,600	------	11,600	------	3,150	2,180	------
TOTAL	66,010	99,470	233,460	166,760	254,670	300,950	287,200	214,800	202,890	107,630	97,090	91,820
MEAN	2,129	3,316	7,531	5,379	9,095	9,708	9,573	6,929	6,763	3,472	3,132	3,061
MAX	3,630	7,940	35,700	13,000	56,000	40,600	39,400	36,300	16,600	4,890	7,160	14,300
MIN	1,530	1,760	2,450	3,310	3,740	3,910	4,730	3,640	3,680	2,760	1,950	1,800
CFSM	.76	1.19	2.70	1.93	3.26	3.48	3.43	2.48	2.42	1.24	1.12	1.10
IN.	.88	1.33	3.11	2.22	3.40	4.01	3.83	2.86	2.71	1.44	1.29	1.22

CAL YR 1972 TOTAL 1,596,760 MEAN 4,363 MAX 41,000 MIN 1,090 CFSM 1.56 IN 21.28
WTR YR 1973 TOTAL 2,122,750 MEAN 5,816 MAX 56,000 MIN 1,530 CFSM 2.08 IN 28.30

PEAK DISCHARGE (BASE, 25,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1930	17.33	39,300	4-01	2230	18.85	45,400
2-03	1630	21.54	57,700	5-30	0500	17.91	41,600
3-18	1430	18.15	42,600				

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, on left bank 80 ft (24 m) downstream from Frey Creek, 2.2 mi (3.5 km) north of Fairmont, and at mile 57.9 (93.2 km).

DRAINAGE AREA.--44 mi² (114 km²), approximately.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorders and concrete control. Altitude of gage is 680 ft (207 m) (from topographic map).

AVERAGE DISCHARGE.--23 years, 65.4 ft³/s (1.85 m³/s), 20.18 in/yr (513 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,100 ft³/s (59.5 m³/s) Sept. 14, gage height 10.35 ft (3.155 m); minimum daily, 26 ft³/s (0.74 m³/s) Oct. 4.

Period of record: Maximum discharge, 3,610 ft³/s (102 m³/s) May 26, 1959 (gage height, 13.58 ft), from rating curve extended above 2,100 ft³/s (59.5 m³/s); minimum, 6.0 ft³/s (0.17 m³/s) Sept. 19, 20, 1954; minimum daily, 7.0 ft³/s (0.20 m³/s) Sept. 19, 1954.

REMARKS.--Records good. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	40	48	59	77	62	762	65	74	56	61	31
2	27	39	43	57	1,130	63	218	66	67	54	67	31
3	27	42	42	63	381	122	131	70	62	55	62	32
4	26	40	41	72	140	83	117	67	58	55	54	37
5	57	38	41	64	112	127	101	63	58	52	51	34
6	43	37	94	65	106	120	94	62	228	49	50	33
7	35	42	68	58	96	79	236	62	300	47	48	32
8	32	64	57	66	100	144	546	107	122	47	48	31
9	32	45	52	59	94	112	167	92	99	47	45	30
10	30	41	52	58	82	92	129	70	87	47	44	33
11	31	40	58	57	77	135	112	113	77	68	44	33
12	32	37	52	56	75	273	103	119	72	50	41	31
13	34	38	51	54	74	129	97	75	71	47	41	98
14	34	159	52	54	93	103	92	67	66	50	40	1,180
15	32	66	773	58	92	91	89	63	68	91	43	137
16	32	51	493	59	74	115	88	59	161	65	39	71
17	32	45	120	58	67	654	88	59	121	59	41	58
18	34	43	90	57	66	178	86	57	76	54	44	54
19	39	62	79	62	66	119	83	56	69	52	39	50
20	34	107	72	57	65	104	80	66	66	50	43	47
21	33	58	189	54	66	107	77	57	68	47	46	46
22	33	50	257	154	64	103	75	55	119	45	41	43
23	35	44	182	98	62	89	75	54	124	48	39	43
24	42	42	117	77	60	83	72	94	72	94	38	43
25	36	58	98	68	58	106	79	72	65	68	37	43
26	35	110	83	86	62	110	79	64	61	74	36	42
27	37	60	74	196	82	91	97	67	58	134	36	43
28	60	52	68	104	67	83	74	720	82	70	35	44
29	44	47	65	85	------	85	68	300	70	56	35	41
30	41	50	63	72	------	101	66	113	58	53	35	40
31	41	------	60	68	------	211	------	86	------	51	33	------
TOTAL	1,108	1,647	3,634	2,255	3,588	4,074	4,181	3,140	2,779	1,835	1,356	2,511
MEAN	35.7	54.9	117	72.7	128	131	139	101	92.6	59.2	43.7	83.7
MAX	60	159	773	196	1,130	654	762	720	300	134	67	1,180
MIN	26	37	41	54	58	62	66	54	58	45	33	30
CFSM	.81	1.25	2.66	1.65	2.91	2.98	3.16	2.30	2.10	1.35	.99	1.90
IN.	.94	1.39	3.07	1.91	3.03	3.44	3.53	2.65	2.35	1.55	1.15	2.12

CAL YR 1972 TOTAL 26,865 MEAN 73.4 MAX 1,430 MIN 24 CFSM 1.67 IN 22.71
WTR YR 1973 TOTAL 32,108 MEAN 88.0 MAX 1,180 MIN 26 CFSM 2.00 IN 27.15

02160500 ENOREE RIVER NEAR ENOREE, S.C.

LOCATION.--Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft (18 m) upstream from bridge on State Highway 49, 0.6 mi (1.0 km) upstream from Warrior Creek, 4.0 mi (6.4 km) southeast of Enoree, and at mile 41.6 (66.9 km).

DRAINAGE AREA.--307 mi² (795 km²).

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage and water-temperature recorders. Datum of gage is 448.13 ft (136.590 m) above mean sea level. Prior to Nov. 20, 1929, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 427 ft³/s (12.09 m³/s), 18.89 in/yr (480 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,100 ft³/s (314 m³/s) Sept. 14, gage height, 6.49 ft (1.978 m); minimum, 110 ft³/s (3.12 m³/s) Aug. 26, gage height 1.95 ft (0.594 m); minimum daily, 183 ft³/s (5.18 m³/s) Sept. 7, 8, 10, 12.

Period of record: Maximum discharge, 30,300 ft³/s (850 m³/s) Oct. 2, 1929, gage height, 10.5 ft (3.20 m)(from floodmark), from rating curve extended above 17,000 ft³/s (481 m³/s); minimum, 8 ft³/s (0.23 m³/s) Oct. 5, 1941; minimum daily, 20 ft³/s (0.57 m³/s) Oct. 2-4, 7, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 802: 1930(M). WSP 892: 1929-30, 31(M), 1932-33, 1935. WSP 1112: 1934(M). WSP 1383: 1935-36(m), 1941(m), 1951-52(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	257	257	394	430	557	459	4,700	478	653	362	308	194
2	231	251	370	449	4,510	449	2,660	478	588	388	405	189
3	225	257	354	468	5,370	642	1,490	487	536	388	362	189
4	212	276	345	506	2,030	688	845	497	506	413	323	189
5	251	266	413	557	911	705	734	468	496	371	308	189
6	362	251	451	516	745	795	653	449	689	354	293	189
7	285	257	594	506	734	665	1,420	449	1,630	330	293	183
8	231	362	440	557	665	620	3,170	497	872	330	293	183
9	218	413	406	525	688	795	2,540	722	758	323	285	189
10	212	315	384	497	620	653	1,020	566	758	323	270	183
11	212	285	384	497	599	642	808	516	745	330	264	189
12	212	278	394	497	550	1,830	699	609	588	338	257	183
13	225	264	382	478	540	1,470	653	525	536	315	244	270
14	270	870	486	468	550	833	630	478	497	300	244	7,410
15	244	758	4,830	487	580	699	609	459	468	338	300	6,890
16	225	413	6,490	566	588	783	599	459	525	497	270	858
17	218	354	2,850	525	557	5,630	588	449	665	536	251	497
18	218	330	897	525	516	3,420	588	449	487	413	285	413
19	308	379	664	599	506	1,170	567	440	449	345	300	362
20	285	992	574	588	497	833	566	588	449	330	264	330
21	251	665	1,260	516	487	808	525	536	440	315	257	315
22	238	459	2,850	1,310	478	808	516	468	440	300	251	300
23	238	396	1,770	1,180	468	699	516	459	440	362	238	293
24	257	371	924	711	459	642	516	653	405	379	231	285
25	285	388	745	588	449	642	525	897	379	440	231	278
26	251	699	653	578	449	808	567	588	362	362	225	270
27	244	578	574	1,270	487	783	620	556	362	478	218	257
28	300	440	516	992	525	676	536	1,140	388	745	212	264
29	396	396	487	734	------	653	497	2,120	478	430	205	264
30	300	388	480	609	------	676	487	2,420	405	362	200	257
31	270	------	450	557	------	1,920	------	914	------	323	200	------
TOTAL	7,931	12,608	32,854	19,306	26,115	32,786	30,824	20,794	16,994	11,820	8,287	22,062
MEAN	256	420	1,060	623	933	1,058	1,027	671	566	381	267	735
MAX	396	992	6,490	1,310	5,370	5,630	4,700	2,420	1,630	745	405	7,410
MIN	212	251	345	430	449	449	487	440	362	300	200	183
CFSM	.83	1.37	3.45	2.03	3.04	3.45	3.35	2.19	1.84	1.24	.87	2.39
IN.	.96	1.53	3.98	2.34	3.16	3.97	3.74	2.52	2.06	1.43	1.00	2.67

CAL YR 1972 TOTAL 227,079 MEAN 620 MAX 7,370 MIN 183 CFSM 2.02 IN 27.52
WTR YR 1973 TOTAL 242,383 MEAN 664 MAX 7,410 MIN 183 CFSM 2.16 IN 29.37

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	2310	5.54	7,290	4-01	0255	5.71	7,490
2-02	2200	5.27	6,310	4-09	0010	4.34	3,750
3-17	1700	5.32	6,490	9-14	2300	6.49	11,100

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, on right bank 0.8 mi (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 mi^2 (12,560 km^2), approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft (56.339 m) above mean sea level.

AVERAGE DISCHARGE.--48 years, 6,135 ft^3/s (173.7 m^3/s), 17.18 in/yr (436 mm/yr).

EXTREMES.--Current year: Maximum discharge, 74,100 ft^3/s (2,100 m^3/s) Feb. 4, gage height 16.04 ft (4.889 m); minimum daily, 1,810 ft^3/s (51.3 m^3/s).

Period of record: Maximum discharge, 228,000 ft^3/s (6,460 m^3/s) Oct. 3, 1929, gage height, 30.7 ft (9.36 m) (from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 ft^3/s (4.22 m^3/s) Oct. 13, 1935, Sept. 2, 1957.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Records of chemical analyses are published in part 2 of this report.

REVISIONS (WATER YEARS).--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1383: 1929(M), 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,700	2,540	4,170	5,800	8,510	7,190	47,100	7,280	15,700	6,500	4,380	2,520
2	4,590	2,520	3,930	5,800	25,200	6,590	71,300	6,890	9,810	6,400	4,970	2,590
3	3,650	2,590	3,700	5,700	59,300	6,770	48,800	6,740	8,240	6,500	6,530	2,660
4	2,910	2,280	3,870	5,600	71,100	10,200	25,200	6,830	7,430	6,400	8,750	2,750
5	3,030	2,000	3,570	5,600	42,200	12,100	16,100	6,950	6,860	6,400	6,830	2,710
6	2,770	2,430	3,700	6,000	20,800	12,600	12,400	6,290	6,830	6,400	5,960	2,750
7	4,320	2,480	4,620	6,000	13,000	12,400	13,700	6,080	8,750	6,400	4,970	2,710
8	4,260	2,770	5,790	5,900	11,200	12,100	29,400	6,410	15,000	6,300	4,180	2,750
9	3,590	3,520	6,000	5,800	10,700	11,700	36,300	6,650	11,900	4,500	4,440	3,010
10	3,050	3,410	5,870	5,800	10,500	12,400	26,900	8,370	12,500	5,450	4,440	3,600
11	2,220	3,200	4,740	5,700	9,290	10,300	18,800	9,220	16,900	4,180	3,730	3,390
12	2,240	3,330	4,380	5,700	8,680	12,800	13,200	8,780	10,900	5,210	3,870	3,310
13	2,370	2,220	4,020	5,700	8,180	19,600	11,100	9,020	8,210	5,030	5,030	3,540
14	2,410	3,590	7,750	5,600	9,020	17,000	9,910	7,700	7,730	4,180	4,040	11,300
15	2,020	6,000	17,400	5,610	12,900	12,500	9,330	6,950	7,920	4,530	3,950	34,600
16	2,310	8,810	41,600	5,940	12,800	10,100	8,750	5,750	18,600	5,210	3,980	37,000
17	2,450	6,390	52,400	7,300	10,300	18,400	8,370	6,050	21,600	6,650	4,610	25,700
18	2,060	4,110	36,000	7,500	8,510	43,400	8,210	5,960	11,900	6,470	4,850	9,630
19	2,720	3,460	20,600	7,820	7,640	51,900	8,120	5,510	8,850	4,890	4,180	5,840
20	1,890	4,320	10,700	8,850	7,340	28,600	8,180	5,690	9,330	4,940	4,350	5,060
21	2,790	7,780	8,470	7,780	7,310	15,700	7,920	6,140	12,400	4,440	3,840	4,410
22	1,810	7,370	18,100	6,630	6,770	13,600	7,760	6,110	10,300	4,150	4,040	4,150
23	2,430	5,760	29,600	14,400	6,860	12,900	7,190	5,630	13,100	4,120	3,760	3,310
24	2,260	4,530	25,100	17,200	6,320	11,100	7,130	5,780	12,400	5,120	3,920	3,840
25	2,630	3,990	16,900	11,400	6,020	9,860	7,160	6,440	8,880	5,600	3,240	3,310
26	2,330	4,170	11,300	8,640	6,290	9,630	7,250	8,580	7,100	5,510	3,210	3,410
27	2,310	6,980	9,080	10,600	6,260	12,100	7,220	7,280	6,500	5,000	3,490	2,660
28	2,610	6,570	7,750	17,200	6,290	12,700	8,150	7,550	6,500	5,270	3,090	3,730
29	3,200	5,370	7,110	19,500	------	10,800	8,710	24,900	6,400	7,130	3,600	3,040
30	2,810	3,730	6,360	14,400	------	9,630	7,990	41,800	6,500	6,110	3,520	3,650
31	3,280	------	5,940	10,000	------	14,700	------	34,100	------	4,640	2,940	------
TOTAL	89,020	128,220	389,720	261,470	419,200	461,150	507,650	293,430	314,940	169,620	136,690	202,930
MEAN	2,872	4,274	12,570	8,435	14,970	14,880	16,920	9,465	10,500	5,472	4,409	6,764
MAX	5,700	8,810	52,400	19,500	71,100	51,900	71,300	41,800	21,600	7,130	8,750	37,000
MIN	1,810	2,000	3,570	5,600	6,020	6,590	7,130	5,510	6,400	4,120	2,940	2,520
CFSM	.59	.88	2.59	1.74	3.09	3.07	3.49	1.95	2.16	1.13	.91	1.39
IN.	.68	.98	2.99	2.01	3.22	3.54	3.89	2.25	2.42	1.30	1.05	1.56

CAL YR 1972 TOTAL 2,624,790 MEAN 7,172 MAX 58,400 MIN 1,650 CFSM 1.48 IN 20.13
WTR YR 1973 TOTAL 3,374,040 MEAN 9,244 MAX 71,300 MIN 1,810 CFSM 1.91 IN 25.88

PEAK DISCHARGE (BASE, 35,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-17	0845	13.15	54,300	4-09	0900	10.50	37,800
2-04	0730	16.04	74,100	5-30	1730	11.66	44,800
3-19	0715	13.41	56,000	9-16	0615	10.62	38,500
4-02	1245	15.98	73,700				

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48 mi² (124 km²), approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (73 m)(from topographic map).

AVERAGE DISCHARGE.--6 years, 45.4 ft³/s (1.286 m³/s), 12.84 in/yr (326 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,960 ft³/s (112 m³/s) Feb. 3, gage height, 16.03 ft (4.886 m); minimum daily, 2.2 ft³/s (0.062 m³/s) Oct. 20.

Period of record: Maximum discharge, 4,870 ft³/s (138 m³/s) July 4, 1968, gage height, 18.42 ft (5.614 m); minimum daily, 0.66 ft³/s (0.019 m³/s) Oct. 5, 6, 1968.

REMARKS.--Records fair. Recording rain gage located at station. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	4.8	[illegible]	26	51	32	737	21	35	31	11	7.2
2	4.9	4.1	[illegible]	28	2,520	29	155	21	31	29	12	7.2
3	4.1	4.6	[illegible]	28	184	446	94	22	28	28	14	6.8
4	4.1	5.1	[illegible]	58	157	224	70	27	26	28	14	7.2
5	4.3	4.8	[illegible]	45	95	586	55	24	25	28	14	8.6
6	4.3	5.1	73	45	70	329	47	21	40	28	14	9.0
7	4.3	4.8	48	40	58	225	473	21	208	29	14	9.5
8	3.4	15	21	55	52	181	1,100	23	56	25	12	10
9	3.4	12	15	50	93	160	188	38	133	26	11	10
10	3.1	7.2	14	45	82	108	105	25	763	23	8.6	12
11	2.7	5.7	14	45	49	155	67	22	186	23	9.0	11
12	2.5	5.3	12	50	41	1,100	55	47	110	23	8.3	13
13	[illegible]	5.3	12	45	81	180	44	27	77	23	8.3	11
14	3.1	8.4	148	45	573	132	44	22	56	23	8.3	35
15	3.4	14	342	45	453	76	40	20	518	24	7.2	21
16	3.1	7.5	140	65	147	66	41	20	1,040	26	7.2	14
17	2.9	10	52	50	42	69	39	20	232	26	8.6	12
18	2.9	14	35	50	64	56	38	20	97	23	16	10
19	2.7	8.3	28	60	56	60	34	20	60	23	12	8.6
20	2.2	29	25	60	51	68	32	20	141	23	13	7.5
21	2.4	15	74	50	46	59	29	20	216	23	16	7.5
22	2.6	9.0	224	100	43	55	24	20	700	23	15	7.2
23	2.4	7.5	181	90	49	60	27	20	229	23	12	7.2
24	4.3	7.2	79	84	36	44	27	15	108	28	10	6.8
25	7.5	10	49	49	36	44	32	15	67	17	17	6.8
26	5.3	48	73	59	46	56	24	10	52	14	14	6.4
27	4.6	19	50	246	74	65	32	10	43	13	11	6.4
28	10	12	39	214	43	42	27	20	37	20	9.5	6.0
29	9.5	10	32	229	------	42	23	200	36	18	8.3	6.4
30	6.0	9.5	28	85	------	54	22	70	32	13	7.9	6.0
31	4.9	------	26	60	------	973	------	45	------	11	7.5	------
TOTAL	132.4	320.9	1,963.[illegible]	2,197	5,592	5,776	4,284	926	5,488	711	350.7	297.3
MEAN	4.27	10.7	63.3	70.9	200	186	143	29.9	183	22.9	11.3	9.91
MAX	10	48	342	246	2,520	1,100	1,100	200	1,040	31	17	35
MIN	2.2	4.1	7.[illegible]	26	36	29	22	10	25	11	7.2	6.0
CFSM	.09	.22	1.32	1.48	4.17	3.88	2.98	.62	3.81	.48	.24	.21
IN.	.10	.25	1.52	1.70	4.33	4.48	3.32	.72	4.25	.55	.27	.23

CAL YR 1972 TOTAL 13,793.2 MEAN 37.7 MAX 748 MIN 2.2 CFSM .79 IN 10.69
WTR YR 1973 TOTAL 28,038.8 MEAN 76.8 MAX 2,520 MIN 2.2 CFSM 1.60 IN 21.73

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-02	1300	16.03	3,960	3-31	1530	11.41	2,340
2-14	1930	7.84	1,250	4-07	2230	14.28	3,340
3-04	2345	7.68	1,200	6-16	0045	14.15	3,300
3-12	0430	11.32	2,310	6-22	0700	8.19	1,360

02162080 CRANE CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 34°03'14", long 81°03'36", Richland County, at bridge on Brickyard Road, 1.2 mi (1.9 km) upstream from mouth, 1.2 mi (1.9 km) downstream from State Highway 215, and 4.0 mi (6.4 km) northwest of State Capitol.

DRAINAGE AREA.--66.5 mi² (172.2 km²).

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (49 m)(from topographic map). Auxiliary water-stage recorder on the Broad River at the Columbia Canal Diversion Dam near Columbia.

AVERAGE DISCHARGE.--5 years, 68.6 ft³/s (1.943 m³/s), 14.01 in/yr (356 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,010 ft³/s (28.6 m³/s), June 16, gage height 7.90 ft (2.408 m); minimum daily, 2.7 ft³/s (0.076 m³/s) Oct. 12, 13.

Period of record: Maximum discharge, 2,530 ft³/s (71.6 m³/s), Aug. 5, 1971, gage height, 10.97 ft (3.344 m); minimum daily, 0.10 ft³/s (0.003 m³/s) July 20, 1970.

REMARKS.--Records good except those for periods of no gage-height record and backwater, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	9.4	30	73	130	222	170	32	19	36	28	4.1
2	12	8.8	29	77	600	562	120	34	9.2	34	34	3.8
3	2.8	8.5	27	91	300	450	100	36	7.2	35	28	3.8
4	3.8	8.5	26	133	90	130	80	32	6.6	24	49	31
5	5.0	8.5	25	103	80	700	100	30	5.2	21	66	31
6	5.0	8.5	108	110	90	450	600	28	26	17	37	21
7	4.7	13	104	100	110	250	450	30	139	18	27	6.4
8	4.2	80	63	147	110	750	300	40	71	16	19	8.2
9	3.6	46	47	136	110	600	200	38	113	14	14	35
10	3.4	28	42	115	100	350	120	34	270	9.5	11	79
11	3.0	19	38	115	226	190	90	50	314	8.5	8.9	37
12	2.7	15	36	120	192	600	80	46	183	11	7.5	63
13	2.7	14	38	106	198	350	70	36	114	10	6.4	36
14	2.8	78	140	104	460	100	60	32	93	9.0	5.8	69
15	3.1	46	372	117	488	110	55	28	72	10	5.2	24
16	3.2	36	526	170	298	130	50	26	528	18	4.7	53
17	3.2	54	269	157	206	120	45	26	298	18	7.6	21
18	3.2	40	164	153	155	90	42	26	128	16	9.6	18
19	5.6	45	98	153	58	80	40	26	68	14	9.0	11
20	4.6	175	77	144	127	100	36	26	88	10	8.8	9.7
21	3.8	86	109	112	118	110	36	26	149	8.8	11	9.5
22	3.9	49	304	246	108	90	34	26	298	7.7	15	9.5
23	3.9	32	328	230	199	80	32	26	270	9.2	11	5.6
24	9.8	27	263	150	101	75	34	26	133	61	9.6	4.6
25	10	56	200	117	131	85	36	24	83	38	8.2	5.8
26	10	111	165	173	131	70	35	22	58	23	8.0	5.2
27	13	68	121	301	131	65	36	26	48	17	7.4	4.1
28	19	51	97	267	131	70	34	26	39	14	6.7	3.9
29	17	28	68	335	-------	100	32	26	38	12	5.9	3.8
30	14	19	71	197	-------	700	32	247	34	9.8	5.4	4.2
31	11	-------	70	142	-------	300	-------	81	-------	7.8	4.6	-------
TOTAL	237.0	1,268.2	4,055	4,696	5,178	8,279	3,149	1,212	3,702.2	557.3	479.3	621.2
MEAN	7.65	42.3	131	151	185	267	105	39.1	123	18.0	15.5	20.7
MAX	43	175	526	335	600	750	600	247	528	61	66	79
MIN	2.7	8.5	25	73	58	65	32	22	5.2	7.7	4.6	3.8
CFSM	.12	.64	1.97	2.27	2.78	4.02	1.58	.59	1.85	.27	.23	.31
IN.	.13	.71	2.27	2.63	2.90	4.63	1.76	.68	2.07	.31	.27	.35

CAL YR 1972 TOTAL 22,178.7 MEAN 60.6 MAX 600 MIN 2.7 CFSM .91 IN 12.41
WTR YR 1973 TOTAL 33,434.2 MEAN 91.6 MAX 750 MIN 2.7 CFSM 1.38 IN 18.70

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE
6-16	1300	7.90	1,010

Note: No gage-height record Jan. 19 to May 30. Backwater from Broad River Dec. 16-19, 23, May 30 to June 1, Sept. 15-17.

02162500 SALUDA RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft (213 m) upstream from bridge on State Road 124, 1.6 mi (2.6 km) downstream from Saluda Lake Dam, 2.4 mi (3.9 km) upstream from Georges Creek, 4.6 mi (7.4 km) west of city hall in Greenville, and at mile 132.0 (212.4 km).

DRAINAGE AREA.--293 mi² (759 km²).

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1948, published as "near West Greenville."

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (247 m) (from topographic map).

AVERAGE DISCHARGE.--32 years, 633 ft³/s (17.93 m³/s) 29.34 in/yr (745 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,960 ft³/s (197 m³/s) May 28, gage height, 12.36 ft (3.767 m); minimum, 141 ft³/s (3.99 m³/s) Oct. 4, gage height, 2.34 ft (0.713 m); minimum daily, 257 ft³/s (7.28 m³/s) Oct. 3.

Period of record: Maximum discharge, 11,000 ft³/s (312 m³/s) Oct. 7, 1949, gage height, 19.38 ft (5.907 m), from rating curve extended above 7,500 ft³/s (212 m³/s) on basis of computation of peak flow over dam at Saluda Lake; minimum, 28 ft³/s (0.79 m³/s) Feb. 1, 1956, gage height, 1.65 ft (0.503 m); minimum daily, 70 ft³/s (1.98 m³/s) Oct. 16, 1954.

REMARKS.--Records good, except for periods of no gage-height record which are poor. Some regulation at low and medium flow by powerplant at Saluda Lake. Capacity of reservoir insufficient to affect monthly figures of runoff. About 41,280,836 gal per day, 63.9 ft³/s (1.81 m³/s) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930, supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River below station near Greenville.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379	348	520	570	850	673	4,120	1,010	1,440	792	673	357
2	313	334	490	570	2,900	655	3,080	999	1,300	667	750	343
3	257	366	440	600	3,480	863	2,070	951	1,220	828	698	339
4	269	435	450	600	2,130	951	1,710	1,130	1,080	750	643	334
5	554	465	440	600	1,510	1,280	1,570	991	1,060	764	570	334
6	646	357	470	580	1,310	1,440	1,390	813	1,220	711	500	334
7	388	305	1,040	560	1,290	1,170	1,560	895	1,670	655	576	317
8	343	800	870	560	1,190	1,320	2,610	1,210	1,480	679	771	366
9	325	577	637	550	1,240	1,460	2,200	2,460	1,230	673	625	406
10	317	475	651	550	1,260	1,260	1,720	2,240	1,180	609	565	402
11	285	415	656	540	806	1,040	1,500	1,580	1,100	637	537	375
12	273	402	670	540	880	1,790	1,390	1,450	1,030	609	526	325
13	273	388	900	550	880	1,560	1,300	1,260	959	565	495	317
14	285	900	4,000	560	911	1,250	1,230	1,140	1,030	565	559	750
15	293	704	3,500	570	1,360	1,060	1,180	1,020	1,030	757	587	460
16	285	510	2,500	570	1,060	1,070	1,180	975	1,070	943	537	361
17	269	415	1,500	614	1,040	2,720	1,170	967	983	806	505	305
18	289	392	1,000	598	880	2,900	1,160	927	903	698	603	397
19	339	500	1,000	603	850	1,950	1,110	927	858	625	559	406
20	305	1,210	1,500	625	828	1,490	1,220	919	943	603	505	357
21	281	1,040	2,000	620	792	1,360	1,150	911	880	581	485	334
22	281	704	1,500	983	750	1,360	1,020	785	1,020	587	480	334
23	261	542	1,100	1,310	744	1,100	1,010	806	1,060	559	384	334
24	313	490	900	967	771	1,100	1,020	1,210	991	661	420	334
25	334	490	800	778	731	1,220	1,100	1,030	880	637	406	330
26	301	757	750	799	631	2,020	1,260	865	744	614	402	321
27	301	692	700	1,200	778	1,780	1,300	1,100	744	1,440	393	305
28	587	564	670	1,290	705	1,370	1,370	4,920	991	1,110	384	330
29	576	542	630	1,130	------	1,230	1,140	6,440	999	724	375	339
30	361	515	600	943	------	1,260	1,090	2,950	850	554	370	334
31	352	------	580	858	------	1,490	------	1,800	------	592	361	------
TOTAL	10,635	16,634	33,507	22,388	32,557	43,152	45,930	46,681	31,945	21,995	16,244	10,880
MEAN	343	554	1,081	722	1,163	1,392	1,531	1,506	1,065	710	524	363
MAX	646	1,210	4,000	1,310	3,480	2,900	4,120	6,440	1,670	1,440	771	750
MIN	257	305	440	540	631	655	1,010	785	744	554	361	305
CFSM	1.17	1.89	3.69	2.46	3.97	4.75	5.23	5.14	3.63	2.42	1.79	1.24
IN.	1.35	2.11	4.25	2.84	4.13	5.48	5.83	5.93	4.06	2.79	2.06	1.38

CAL YR 1972 TOTAL 246,650 MEAN 674 MAX 4,420 MIN 257 CFSM 2.30 IN 31.32
WTR YR 1973 TOTAL 332,548 MEAN 911 MAX 6,440 MIN 257 CFSM 3.11 IN 42.22

PEAK DISCHARGE (BASE, 2,800 CFS)

NOTE: No gage height record Dec. 12 to Jan. 16.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-14	unknown	8.14(from indicator)	4,250	3-17	2000	6.73	3,200
				4-01	1200	9.00	4,850
2-02	2000	7.78	3,980	5-28	2130	12.65	6,960

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, on right bank 2.0 mi (3.2 km) southeast of Ware Shoals, 2.5 mi (4.0 km) downstream from Ware Shoals Dam, 5.0 mi (8.0 km) upstream from Turkey Creek, and at mile 83.7 (134.7 km).

DRAINAGE AREA.--569 mi² (1,474 km²).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (136.6 m) (by barometer).

AVERAGE DISCHARGE.--35 years, 1,008 ft³/s (28.55 m³/s), 24.06 in/yr (611 mm/yr).

EXTREMES.--Current year: Maximum discharge, 20,700 ft³/s (586 m³/s) Sept. 14, gage height, 22.85 ft (6.965 m); minimum daily, 393 ft³/s (11.1 m³/s), Oct. 15.

Period of record: Maximum discharge, 20,700 ft³/s (586 m³/s) Sept. 14, 1973, gage height, 22.85 ft (6.965 m), from rating curve extended above 14,000 ft³/s (396 m³/s) on basis of computation of peak flow over dam; minimum, 3 ft³/s (0.085 m³/s) Sept. 18, 1939; minimum daily, 11 ft³/s (0.31 m³/s) Oct. 12, 19, 1941.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion by City of Greenville (see sta 02162500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).-- WSP 892: 1939. WSP 1433: 1940-41, 1943-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	510	505	905	1,100	1,210	1,090	6,480	1,640	2,560	1,170	905	604
2	523	595	748	1,170	5,170	1,050	6,410	1,460	2,090	925	1,280	496
3	496	523	618	1,070	6,180	1,100	4,390	1,430	1,900	960	1,280	604
4	429	532	780	1,210	4,730	1,190	3,130	1,470	1,810	1,230	1,020	676
5	469	541	609	1,140	2,960	1,540	2,670	1,530	1,640	1,350	1,010	555
6	835	739	865	1,200	2,200	1,990	2,430	1,320	2,470	965	1,070	541
7	815	636	1,010	1,060	2,030	1,990	2,670	1,410	2,310	1,100	985	537
8	510	645	1,470	1,250	1,910	1,740	5,590	1,300	2,250	1,090	895	438
9	492	995	855	1,210	1,860	1,910	4,450	1,740	2,030	1,080	1,290	505
10	546	930	855	1,110	1,770	1,940	3,340	2,810	1,750	1,060	1,010	595
11	415	676	990	970	1,670	1,720	2,710	2,510	1,680	975	795	658
12	465	537	975	990	1,490	3,090	2,430	2,030	1,540	985	762	604
13	451	685	890	920	1,090	2,780	2,250	1,730	1,620	985	965	739
14	487	1,000	955	870	1,440	2,210	2,080	1,670	1,380	880	915	9,670
15	393	1,440	6,900	1,010	1,530	1,850	1,890	1,620	1,290	820	1,020	4,140
16	469	970	7,960	970	1,750	1,790	1,920	1,320	1,480	1,230	955	1,970
17	523	690	4,910	945	1,660	7,470	1,810	1,170	1,540	1,310	910	1,620
18	451	658	3,080	955	1,380	5,010	1,740	1,200	1,380	1,150	910	1,430
19	469	672	2,070	1,060	1,360	4,110	1,710	1,210	1,350	1,120	955	1,150
20	577	1,310	1,710	1,090	1,210	2,980	1,600	1,400	1,320	995	1,070	980
21	476	1,450	2,100	970	1,190	2,560	1,650	1,460	1,300	925	945	820
22	465	1,430	3,860	1,560	1,150	2,380	1,570	1,290	1,310	850	795	681
23	487	980	3,500	2,030	1,120	2,230	1,570	1,290	1,410	910	748	631
24	492	730	2,530	1,830	1,100	1,980	1,640	1,550	1,320	1,470	795	618
25	496	840	2,040	1,590	1,070	1,870	1,640	2,020	1,380	1,120	681	658
26	528	930	1,840	1,220	1,070	2,040	1,650	1,710	1,270	980	699	609
27	541	1,300	1,630	1,590	1,180	2,740	1,750	1,370	1,120	1,190	815	582
28	604	1,010	1,210	1,830	1,080	2,380	1,710	2,900	1,110	1,620	762	510
29	775	739	1,220	1,880	------	2,030	1,720	7,620	1,450	1,670	631	582
30	895	820	1,230	1,640	------	1,920	1,740	7,770	1,250	1,340	645	514
31	627	------	980	1,480	------	3,140	------	3,900	------	905	640	------
TOTAL	16,709	25,508	61,295	38,920	53,520	73,820	78,340	64,850	48,310	34,350	28,158	34,717
MEAN	539	850	1,977	1,255	1,911	2,381	2,611	2,092	1,610	1,108	908	1,157
MAX	895	1,450	7,960	2,030	6,180	7,470	6,480	7,770	2,560	1,670	1,290	9,670
MIN	393	505	609	870	1,070	1,050	1,570	1,170	1,110	820	631	438
CFSM	.95	1.49	3.47	2.21	3.36	4.18	4.59	3.68	2.83	1.95	1.60	2.03
IN.	1.09	1.67	4.01	2.54	3.50	4.83	5.12	4.24	3.16	2.25	1.84	2.27

CAL YR 1972 TOTAL 442,910 MEAN 1,210 MAX 8,100 MIN 348 CFSM 2.13 IN 28.96
WTR YR 1973 TOTAL 558,497 MEAN 1,530 MAX 9,670 MIN 393 CFSM 2.69 IN 36.51

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	1700	15.77	9,950	4-08	1100	11.27	5,820
2-02	1430	12.51	6,810	5-29	2030	14.50	8,600
3-17	0830	16.29	10,600	6-06	1830	10.67	5,370
4-01	0230	14.84	8,940	9-14	1600	22.85	20,700

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°26'40", long 82°10'35", Laurens County, on left bank 1.9 mi (3.1 km) downstream from dam at Boyd's Mill, 4.5 mi (7.2 km) upstream from Walnut Creek, 5.0 mi (8.0 km) northeast of Ware Shoals, and at mile 12.8 (20.6 km).

DRAINAGE AREA.--228 mi² (591 km²).

PERIOD OF RECORD.--March 1939 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 489 ft (149.0 m) (by barometer).

AVERAGE DISCHARGE.--34 years, 337 ft³/s (9.54 m³/s), 20.07 in/yr (510 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,000 ft³/s (312 m³/s) Sept. 14, gage height 15.40 ft (4.694 m); minimum daily, 4.8 ft³/s (0.14 m³/s) Sept. 9.

Period of record: Maximum discharge, 11,000 ft³/s (312 m³/s) Sept. 14, 1973, gage height 15.40 ft (4.694 m); minimum, 2.7 ft³/s (0.076 m³/s) July 6, 1967, gage height 0.42 ft (0.128 m); minimum daily, 4.8 ft³/s (0.14 m³/s) Sept. 9, 1973.

REMARKS.--Records good, except those for periods of no gage-height record, which are poor. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by City of Greenville below station near Greenville (see sta. 02162500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952 (M). WSP 1904: 1940, 1943, 1946, 1949, 1952.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	197	275	280	505	350	3,650	392	498	259	263	150
2	162	243	275	270	1,400	280	2,530	392	414	251	247	150
3	113	243	275	350	3,670	320	1,250	403	365	247	280	160
4	123	243	275	480	1,600	592	747	409	325	350	240	160
5	188	275	275	485	851	585	683	387	345	271	220	150
6	271	218	280	479	698	788	599	365	1,120	235	220	170
7	275	218	280	479	669	599	920	355	1,790	221	200	243
8	271	218	467	473	506	537	2,460	381	690	247	220	84
9	271	221	447	311	613	676	2,380	690	511	267	200	4.8
10	271	247	437	485	564	571	1,040	550	467	298	200	153
11	64	259	271	498	511	585	786	414	443	271	190	251
12	31	271	271	479	505	1,350	685	492	365	200	180	247
13	235	275	270	275	449	1,470	620	492	340	225	180	255
14	271	345	270	280	442	730	571	381	320	218	180	6,780
15	271	530	450	298	498	599	537	355	335	247	300	5,130
16	271	511	360	505	544	788	518	340	350	425	260	1,130
17	43	492	400	492	505	3,530	511	325	345	370	200	578
18	255	350	540	492	498	2,950	505	316	311	340	220	449
19	275	113	520	485	492	1,110	498	311	284	280	220	387
20	280	387	510	599	485	806	485	420	280	259	230	325
21	288	706	510	920	473	754	467	492	289	255	220	280
22	275	511	500	1,040	345	779	449	345	298	251	210	255
23	271	485	510	592	275	655	437	302	320	260	190	235
24	263	350	510	518	280	564	443	498	284	450	180	221
25	72	275	510	511	387	537	449	870	259	370	170	207
26	156	398	500	900	492	669	492	511	251	340	170	204
27	284	492	500	1,200	473	641	505	449	243	284	160	200
28	431	485	500	1,170	479	564	473	1,140	259	392	160	204
29	467	350	500	714	------	511	420	2,380	431	335	150	204
30	275	275	500	585	------	531	398	2,220	307	267	150	197
31	84	------	480	518	------	1,470	------	706	------	275	150	------
TOTAL	7,074	10,183	12,668	17,163	19,408	26,871	26,558	18,083	12,839	8,960	6,360	19,163.8
MEAN	228	339	409	554	693	867	885	583	428	289	205	639
MAX	467	706	540	1,200	3,670	3,530	3,650	2,380	1,790	450	300	6,780
MIN	31	113	270	270	275	280	398	302	243	200	150	4.8
CFSM	1.00	1.49	1.79	2.43	3.04	3.80	3.88	2.56	1.88	1.27	.90	2.80
IN.	1.15	1.66	2.07	2.80	3.17	4.38	4.33	2.95	2.09	1.46	1.04	3.13

CAL YR 1972 TOTAL 175,430.0 MEAN 479 MAX 5,560 MIN 18 CFSM 2.10 IN 28.62
WTR YR 1973 TOTAL 185,330.8 MEAN 508 MAX 6,780 MIN 4.8 CFSM 2.23 IN 30.24

PEAK DISCHARGE (BASE, 2,500 CFS)

NOTE: No gage-height record Aug. 3 to Sept. 7.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16		8.36	5,950 (from max. indicator)	4-09	0030	5.35	3,510
				5-29	2300	4.68	2,810
2-03	1130	6.12	4,270	6-06	2400	4.82	2,960
3-18	0130	5.78	3,940	9-14	1500	15.40	11,000
4-01	0300	7.38	5,270				

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court.

DRAINAGE AREA.--29.5 mi^2 (76.4 km^2).

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 560 ft (171 m) (from topographic map).

AVERAGE DISCHARGE.--6 years, 44.0 ft^3/s (1.246 m^3/s), 20.25 in/yr (514 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,100 ft^3/s (116 m^3/s) Sept. 14, gage height, 9.86 ft (3.005 m); minimum daily 14 ft^3/s (0.40 m^3/s) Oct. 4, 9-12, Sept. 6,7.

Period of record: Maximum discharge, 4,100 ft^3/s (116 m^3/s) Sept. 14, 1973, gage height, 9.86 ft (3.005 m); minimum daily, 7.0 ft^3/s (0.20 m^3/s) July 9-13, 1970.

REMARKS.--Records good. Recording rain gage located at station. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	17	27	36	44	35	628	41	47	28	22	15
2	15	17	26	34	701	35	132	38	43	29	22	16
3	15	17	23	36	227	61	81	39	41	30	28	16
4	14	18	23	43	91	54	67	39	37	30	22	16
5	17	18	23	39	69	91	57	36	57	27	22	15
6	19	18	30	40	61	65	53	35	192	26	21	14
7	16	18	35	39	55	55	179	35	400	25	21	14
8	15	25	30	45	52	50	358	40	87	26	21	15
9	14	21	29	39	53	47	109	43	66	25	20	21
10	14	19	28	37	50	44	75	36	56	32	19	17
11	14	19	27	36	47	55	63	35	48	27	19	16
12	14	19	27	36	44	215	57	44	45	25	18	15
13	15	19	27	34	43	84	54	36	42	23	18	78
14	18	62	30	34	48	62	51	34	40	23	18	2,520
15	17	30	834	39	56	52	49	33	39	25	31	393
16	16	25	491	50	47	87	48	49	40	24	21	66
17	15	25	87	46	43	918	48	31	37	26	20	48
18	15	23	60	48	41	158	47	30	34	25	22	41
19	15	30	50	55	41	89	46	30	33	23	22	34
20	15	73	45	55	40	73	45	53	34	22	23	31
21	15	37	248	46	39	76	43	37	39	21	22	29
22	15	30	351	195	39	69	43	33	40	21	20	27
23	15	27	120	95	37	59	42	34	43	29	19	26
24	16	25	75	61	35	54	42	95	34	43	18	25
25	17	28	59	50	34	56	42	75	32	37	18	24
26	16	50	51	51	35	60	43	47	30	30	17	22
27	16	35	46	113	38	52	53	45	30	28	17	22
28	20	30	43	70	35	49	42	236	37	26	16	22
29	20	27	41	57	------	50	40	203	34	24	16	22
30	18	26	39	49	------	55	41	76	30	22	16	22
31	17	------	36	45	------	362	------	55	------	22	15	------
TOTAL	495	828	3,076	1,653	2,145	3,272	2,678	1,693	1,767	824	624	3,642
MEAN	16.0	27.6	99.2	53.3	76.6	106	89.3	54.6	58.9	26.6	20.1	121
MAX	20	73	834	195	701	918	628	236	400	43	31	2,520
MIN	14	17	23	34	34	35	40	30	30	21	15	14
CFSM	.54	.94	3.36	1.81	2.60	3.59	3.03	1.85	2.00	.90	.68	4.10
IN.	.62	1.04	3.88	2.08	2.70	4.13	3.38	2.13	2.23	1.04	.79	4.59

CAL YR 1972 TOTAL 18,240 MEAN 49.8 MAX 886 MIN 13 CFSM 1.69 IN 23.00
WTR YR 1973 TOTAL 22,697 MEAN 62.2 MAX 2,520 MIN 14 CFSM 2.11 IN 28.62

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	2215	4.73	1440	4-01	0200	4.87	1520
12-22	0200	2.63	586	4-08	0630	2.54	554
2-02	2115	3.48	902	6-07	0700	3.15	770
3-17	1500	4.46	1310	9-14	1130	9.86	4100

02166500 LAKE GREENWOOD NEAR CHAPPELLS, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, at left upstream end of dam on Saluda River, 0.7 mi (1.1 km) upstream from Wilson Creek and 2.4 mi (3.9 km) west of Chappells.

DRAINAGE AREA.--1,150 mi² (2,980 km²), approximately.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft (121.920 m) above mean sea level (levels by Dan T. Duncan Engineering Co.); gage readings have been reduced to elevations above mean sea level. Prior to June 11, 1940, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 441.72 ft (134.636 m) Apr. 1; minimum, 431.80 ft (131.613 m) Nov. 30.

Period of record: Maximum elevation, 442.02 ft (134.728 m) Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft (129.363 m) Oct. 16, 1947.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 ft³ (216,000,000 m³) between elevations 420.0 ft (128.02 m)(limit of drawdown) and 440.0 ft (134.11 m)(normal operating level) above mean sea level. Dead storage is about 3,500,000,000 ft³ (99,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft (126.49 m) and elevation of top of 1½ ft (0.46 m) flashboards on top of spillway gates is 441.5 ft (134.57 m) above mean sea level. Water is used for generation of power.

Capacity table [(elevation, in feet (and meters) and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0 ft (131.37 m)	3.70 ft³ (104.8 m³)
433.0 ft (131.98 m)	4.51 ft³ (127.7 m³)
436.0 ft (132.89 m)	5.82 ft³ (164.8 m³)
439.0 ft (133.81 m)	7.18 ft³ (203.3 m³)
442.0 ft (134.72 m)	8.56 ft³ (242.4 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436.94	433.44	431.98	435.56	433.75	436.08	441.45	439.79	441.21	439.70	439.52	439.54
2	437.01	433.53	432.12	435.00	436.17	436.02	441.67	439.59	440.87	439.42	439.68	439.56
3	437.02	433.45	432.28	434.47	437.93	436.26	441.52	439.83	440.47	439.25	439.40	439.56
4	436.80	433.52	432.42	433.96	438.61	436.64	441.54	439.73	440.06	439.46	439.58	439.16
5	436.75	433.62	432.41	433.71	438.61	436.74	441.34	439.94	439.61	439.50	439.75	437.87
6	436.59	433.39	432.59	433.52	438.42	436.78	441.11	439.76	439.53	439.51	439.56	437.64
7	436.61	433.32	432.39	433.64	438.14	436.76	441.35	439.54	439.66	439.30	439.46	437.56
8	436.70	433.28	432.07	433.52	437.88	436.68	441.53	439.49	439.59	439.35	439.36	437.42
9	436.56	433.42	432.15	433.29	437.55	436.72	441.64	439.51	439.37	439.29	439.32	437.56
10	436.45	433.33	432.41	432.99	437.26	437.12	441.39	439.49	439.33	439.27	439.13	437.64
11	436.46	433.37	432.65	432.84	436.86	437.40	441.23	439.45	439.47	439.40	438.99	437.35
12	436.40	433.47	432.34	432.95	436.43	437.99	441.02	439.52	439.40	439.54	439.12	437.35
13	436.47	433.09	432.42	433.16	435.91	438.14	440.75	439.60	439.58	439.27	439.28	437.68
14	436.50	433.16	432.50	433.43	435.61	437.97	440.44	439.45	439.45	439.35	439.32	440.78
15	436.55	433.05	434.71	433.17	435.28	437.67	440.07	439.54	439.62	439.47	439.17	441.60
16	436.29	432.86	437.23	433.18	435.19	437.69	439.74	439.40	439.45	439.43	439.29	441.30
17	436.36	432.79	438.34	433.27	435.38	439.94	439.37	439.65	439.49	439.43	439.38	440.88
18	436.19	432.71	438.37	433.00	435.70	441.12	439.00	439.53	439.42	439.47	439.47	440.42
19	435.81	432.66	438.10	433.08	435.50	441.41	438.88	439.66	439.55	439.59	439.46	439.88
20	435.44	432.38	437.75	433.40	435.32	441.35	438.84	439.55	439.57	439.54	439.31	439.29
21	435.39	432.53	437.79	433.54	435.50	441.21	439.22	439.54	439.38	439.35	439.06	438.65
22	435.46	432.37	438.61	433.78	435.42	440.99	439.58	439.61	439.61	439.44	439.14	438.13
23	435.10	432.63	439.07	433.79	435.40	440.72	439.92	439.53	439.57	439.37	439.26	437.87
24	434.91	432.50	439.06	433.84	435.59	440.38	439.81	439.50	439.51	439.43	439.35	437.58
25	434.56	432.31	438.85	434.12	435.85	440.04	439.62	439.64	439.34	439.28	439.33	437.30
26	434.25	432.42	438.52	434.07	435.99	439.76	439.68	439.78	439.30	439.19	439.40	437.38
27	433.99	432.38	438.14	433.76	435.85	439.59	439.64	439.71	439.31	439.22	439.13	437.19
28	434.09	432.27	437.66	433.69	436.08	439.36	439.57	439.84	439.46	439.39	438.95	437.00
29	434.29	432.12	437.18	433.51	------	439.08	439.92	441.02	439.50	439.56	438.83	436.79
30	433.96	431.82	436.68	433.62	------	438.76	439.88	441.45	439.49	439.52	438.75	437.04
31	433.82	------	436.13	433.68	------	439.75	------	441.43	------	439.33	438.68	------
MEAN	435.80	432.91	435.32	433.63	436.33	438.58	440.36	439.78	439.64	439.41	439.27	438.37
MAX	437.02	433.62	439.07	435.56	438.61	441.41	441.67	441.45	441.21	439.70	439.75	441.60
MIN	433.82	431.82	431.98	432.84	433.75	436.02	438.84	439.40	439.30	439.19	438.68	436.79
(†)	4.86	4.02	5.88	4.80	5.85	7.52	7.58	8.30	7.40	7.33	7.03	6.29
(‡)	-504	-324	[illegible]	-403	+434	+624	+23	+269	-347	-26	-112	-285

CAL YR 1972	‡	+17	MAX	441.56	MIN	431.82
WTR YR 1973	‡	+3	MAX	441.67	MIN	431.82

(†) Contents, in billions of cubic feet, at end of month.
(‡) Change in [illegible]ent in cubic feet per second.

0216700 SALUDA RIVER AT CHAPPELLS, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, on left bank at downstream side of bridge on State Highway 39 at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 9.8 mi (15.8 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,350 mi^2 (3,500 km^2), approximately.

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft (110.609 m) above mean sea level. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft (91 m) downstream at datum 363.79 ft (110.883 m) above -mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft (110.914 m) above mean sea level.

AVERAGE DISCHARGE.--47 years, 1,948 ft^3/s (55.17 m^3/s), 19.60 in/yr (498 mm/yr)

EXTREMES.--Current year: Maximum discharge, 20,600 ft^3/s (583 m^3/s) Apr. 2, gage height, 22.75 ft (6.934 m); minimum, 28 ft^3/s (0.79 m^3/s) Oct. 13; minimum daily, 142 ft^3/s (4.02 m^3/s) Oct. 3.

Period of record: Maximum discharge, 63,700 ft^3/s (1,804 m^3/s), Oct. 2, 1929, gage height 32.5 ft (9.91 m), present datum, from rating curve extended above 27,000 ft^3/s (765 m^3/s) on basis of velocity-area studies; minimum, 8 ft^3/s (0.23 m^3/s) Oct. 29, 1939, caused by construction work above station. The flood of Aug. 26, 1908 reached a stage of 36.7 ft (11.19 m) (present site and datum), from reports of National Weather Service.

REMARKS.--Records fair. Flow regulated by Lake Greenwood (see sta. 02168500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1942-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	2.120	1.570	4.640	2.450	3.400	11.700	2.600	4.460	740	722	1.550
2	453	522	554	4.620	5.430	2.120	17.200	3.140	4.640	2.870	943	437
3	142	1.410	460	4.520	7.970	1.710	4.590	1.740	4.600	2.810	2.870	423
4	1.520	554	450	4.730	5.450	795	5.230	2.060	4.580	1.400	1.110	2.490
5	1.510	254	1.140	3.570	4.980	2.950	6.740	1.660	4.560	1.150	438	2.490
6	1.540	1.520	1.270	3.470	4.740	3.700	6.560	2.300	4.740	1.750	2.050	1.090
7	1.450	1.410	2.030	1.510	4.680	4.730	5.540	3.050	5.150	2.000	1.980	1.760
8	225	1.500	4.050	3.650	4.660	4.460	4.880	2.340	4.770	1.850	1.630	1.340
9	1.410	542	2.070	3.140	4.710	2.910	10.500	2.850	4.750	1.930	2.020	592
10	1.430	1.740	491	3.250	4.710	1.950	7.000	3.740	3.070	1.570	1.860	336
11	571	411	730	2.540	4.710	1.440	5.040	3.200	2.730	822	2.210	2.080
12	743	515	2.520	1.960	4.710	3.860	4.730	2.840	2.650	817	523	1.190
13	220	2.160	1.760	1.210	4.640	4.810	4.580	2.370	2.880	2.250	379	532
14	455	2.150	2.700	729	5.630	4.760	4.560	2.710	3.900	1.620	839	3.790
15	222	2.400	4.050	2.880	5.451	4.620	4.620	2.090	4.330	423	1.820	11.400
16	2.050	2.650	6.000	2.420	3.940	3.240	4.510	2.440	3.790	1.920	896	7.840
17	810	2.050	5.520	2.030	2.330	5.600	4.590	1.910	3.090	1.710	803	4.610
18	1.050	1.470	4.450	2.880	1.120	5.640	4.590	2.060	2.240	1.250	958	4.240
19	2.230	1.250	4.740	2.830	3.050	5.050	3.400	1.000	1.400	1.210	1.100	4.220
20	2.480	3.320	4.700	1.360	3.040	4.740	2.440	2.930	2.490	1.350	2.040	4.420
21	1.230	1.970	4.880	1.380	1.830	4.640	1.170	2.720	4.380	1.970	2.200	4.460
22	161	2.750	6.050	2.940	2.300	4.660	494	1.460	3.140	1.190	1.030	4.460
23	2.460	1.340	6.510	4.470	2.020	4.620	459	2.870	6.500	1.550	403	2.170
24	1.840	1.370	5.650	3.450	1.080	4.610	2.470	2.390	3.720	1.740	634	2.640
25	2.520	2.350	5.050	2.220	324	4.600	3.130	2.730	3.290	2.490	918	2.680
26	2.080	1.450	4.410	2.520	1.540	4.620	2.520	2.240	2.360	2.090	411	756
27	2.150	2.190	4.760	4.790	2.480	4.590	2.320	1.870	1.620	1.550	2.140	1.890
28	946	2.580	4.730	4.850	1.080	4.580	2.460	4.570	1.550	1.610	1.480	2.000
29	392	1.900	4.680	5.070	------	4.580	974	6.090	2.080	1.240	1.880	1.950
30	2.400	2.540	4.660	2.860	------	4.700	2.280	7.770	2.040	1.440	1.140	677
31	2.020	------	4.550	2.260	------	6.250	------	7.480	------	2.250	1.380	------
TOTAL	39.629	51.799	108.001	95.349	101.944	122.875	149.617	90.200	106.460	50.712	40.857	81.713
MEAN	1.278	1.727	3.484	3.076	3.641	3.964	4.987	2.910	3.549	1.636	1.318	2.724
MAX	2.880	3.320	6.510	5.070	7.970	6.250	17.200	7.770	6.500	2.870	2.870	11.400
MIN	142	254	450	729	324	795	459	1.000	1.400	423	379	336

CAL YR 1972 TOTAL 824.148 MEAN 2.252 MAX 13.800 MIN 142
WTR YR 1973 TOTAL 1.039.156 MEAN 2.847 MAX 17.200 MIN 142

02168500 LAKE MURRAY NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°03'07", long 81°13'15", Lexington County, in intake tower 500 ft (152 m) upstream from dam on Saluda River and 10.0 mi (16.1 km) upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 mi² (6,270 km²), approximately.

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft (0.195 m) below mean sea level. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 358.89 ft (109.390 m) June 7, 25; minimum elevation at 2400, 351.2 ft (107.05 m) Dec. 12 (from log).

Period of record: Maximum gage height, 361.51 ft (110.188 m) Apr. 10, 1936; minimum gage height since generation of power was started, 320.96 ft (97.829 m) Dec. 23, 1941.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 ft³ (1,990,000,000 m³) between gage heights 300.0 ft (91.44 m)(limit of drawdown) and 360.0 ft (109.73 m)(maximum normal lake level). Dead storage, 21,800,000,000 ft³ (617,000,000 m³). Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft (100.6 m) with top of gates 362 ft (110.3 m); gage height of other spillway crest, 340 ft (103.6 m) with top of gates 365 ft (111.3 m). Water is used for generation of power.

Capacity table [gage height, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared by Lexington Water Power Co. from topographic map, contour survey, and study of change in reservoir elevation due to inflow)

350 ft (106.7 m)	50.77 ft³ (1,438.0 m³)
352 ft (107.3 m)	54.30 ft³ (1,538.0 m³)
356 ft (108.5 m)	61.91 ft³ (1,753.3 m³)
358 ft (109.1 m)	66.00 ft³ (1,869.1 m³)
360 ft (109.7 m)	70.30 ft³ (1,990.9 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353.46	352.93	351.71	354.00	352.76	353.60	357.70	358.46	358.70	358.16	356.44	353.50
2	353.42	352.46	351.61	353.90	353.72	353.64	358.10	358.46	358.73	358.23	356.23	353.60
3	353.40	352.79	351.60	353.70	354.25	353.78	358.20	358.45	358.83	358.20	356.24	353.60
4	353.29	352.78	351.47	353.60	354.75	353.92	358.20	358.40	358.72	358.21	356.30	353.50
5	353.30	352.76	351.40	353.60	354.64	354.13	358.07	358.43	358.68	358.08	356.29	353.70
6	353.30	352.64	351.42	353.60	354.46	354.41	358.04	358.45	358.83	357.88	356.17	353.50
7	353.37	352.75	351.37	353.70	354.29	354.56	358.49	358.40	358.68	358.00	356.01	353.70
8	353.36	352.77	351.50	353.60	354.16	354.74	358.73	358.53	358.63	358.02	355.80	353.60
9	353.22	352.74	351.40	353.40	354.01	354.86	358.70	358.58	358.69	357.76	355.63	353.60
10	353.20	352.71	351.40	353.40	353.94	354.90	358.50	358.36	358.63	357.47	355.47	353.70
11	353.09	352.74	351.40	353.10	353.70	355.20	358.40	358.20	358.47	357.46	355.52	353.70
12	352.99	352.74	351.20	352.90	353.29	355.40	358.10	358.30	358.47	357.45	355.50	353.60
13	352.84	352.67	351.40	352.80	352.94	355.70	358.10	358.37	358.55	357.30	355.20	353.70
14	352.80	352.64	351.40	352.70	353.30	355.60	358.10	358.31	358.67	357.35	355.00	353.70
15	352.80	352.56	351.50	352.50	353.64	355.80	358.10	358.36	358.73	357.33	354.80	353.80
16	352.71	352.52	351.50	352.48	353.60	355.70	358.40	358.34	358.66	357.25	354.60	354.50
17	352.64	352.49	351.70	352.41	353.58	356.10	358.40	358.42	358.40	357.23	354.60	354.80
18	352.53	352.48	351.60	352.30	353.64	356.20	358.40	358.42	358.40	357.10	354.70	354.90
19	352.50	352.63	351.60	352.29	353.63	356.20	358.40	358.48	358.40	356.91	354.70	355.00
20	352.47	352.61	351.60	352.35	353.72	356.30	358.30	358.60	358.50	356.65	354.70	355.30
21	352.52	352.51	352.00	352.32	353.77	356.20	358.40	358.53	358.60	356.54	354.80	355.10
22	352.52	352.40	352.30	352.36	353.73	356.20	358.40	358.61	358.64	356.59	354.80	355.10
23	352.54	352.40	352.90	352.44	353.73	356.20	358.35	358.43	358.83	356.55	354.80	355.10
24	352.62	352.35	353.20	352.45	353.74	356.20	358.42	358.44	358.82	356.49	354.80	354.90
25	352.68	352.43	353.60	352.40	353.75	356.30	358.54	358.40	358.56	356.46	354.70	354.80
26	352.70	352.47	353.60	352.46	353.70	356.20	358.64	358.50	358.48	356.30	354.60	354.50
27	352.79	352.33	353.70	352.74	353.67	356.20	358.53	358.56	358.40	356.28	354.50	354.30
28	352.86	352.26	353.60	353.24	353.57	356.40	358.58	358.51	358.38	356.34	354.20	354.20
29	352.86	352.03	353.30	353.20	------	356.40	358.65	358.73	358.26	356.35	354.10	354.20
30	352.87	351.84	353.60	352.98	------	356.30	358.50	358.50	358.20	356.01	353.80	354.10
31	352.92	------	353.90	352.72	------	357.00	------	358.56	------	356.32	353.60	------
MEAN	352.92	352.56	352.11	352.96	353.77	355.50	358.35	358.46	358.58	357.17	355.12	354.18
MAX	353.46	352.93	353.90	354.00	354.75	357.00	358.73	358.73	358.83	358.23	356.44	355.30
MIN	352.47	351.84	351.20	352.29	352.76	353.60	357.70	358.20	358.20	356.01	353.60	353.50
(†)	55.99	54.02	57.83	55.63	57.21	63.93	67.06	67.19	66.43	62.55	57.27	58.21
(‡)	-385	-760	+1,423	-821	+653	+2,509	+1,208	+49	-293	-1,449	-1,971	+363

CAL YR 1972	‡	+83	MAX	359.43	MIN	351.2
WTR YR 1973	‡	+38	MAX	358.83	MIN	351.2

(†) Contents, in billions of cubic feet, at end of month.
(‡) Change in contents, equivalent in cubic feet per second.

NOTE:--Elevations for Dec. 8 to Jan. 15, Mar. 10 to Apr. 4, Aug. 13 to Sept. 30 obtained from South Carolina Electric and Gas Company.

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, on left bank 0.4 mi (0.6 km) upstream from site of old Saluda mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capitol in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,510 mi^2 (6,500 km^2), approximately.

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft (45.555 m) above mean sea level. Prior to Sept. 1, 1929, at same site at datum 150.46 ft (45.860 m) above mean sea level.

AVERAGE DISCHARGE.--48 years, 2,889 ft^3/s (81.82 m^3/s), 15.63 in/yr (397 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,300 ft^3/s (632 m^3/s) Apr. 7, gage height, 8.63 ft (2.630 m); minimum, 492 ft^3/s (13.9 m^3/s) Nov. 19; minimum daily, 570 ft^3/s (16.1 m^3/s) Sept. 3.

Period of record: Maximum discharge, 67,000 ft^3/s (1,900 m^3/s) Oct. 2, 1929, gage height, 15.22 ft (4.639 m), from rating curve extended above 36,000 ft^3/s (1020 m^3/s) on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 ft^3/s (0.31 m^3/s) July 13, 1930; minimum daily, 12 ft^3/s (0.34 m^3/s) July 13, 1930, caused by construction work above station.

REMARKS.--Records poor. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1929-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,200	1,450	5,510	597	2,910	2,390	13,700	4,410	4,260	3,040	5,260	1,860
2	1,200	3,640	3,430	8,580	8,820	4,230	13,000	3,530	4,260	2,290	6,310	609
3	1,640	4,140	910	9,250	6,590	1,570	15,400	4,740	2,490	4,170	3,210	570
4	2,121	1,520	3,900	9,360	2,490	947	15,500	3,110	7,390	2,620	2,300	5,390
5	1,820	1,390	2,510	6,620	9,400	2,280	11,400	1,400	6,210	3,820	1,140	1,750
6	1,500	2,140	3,070	3,770	10,600	3,320	7,160	1,360	4,700	4,690	4,690	5,220
7	1,400	2,140	3,690	1,420	10,200	3,680	11,500	4,620	10,400	2,610	6,400	2,780
8	1,300	1,540	3,540	7,730	10,300	3,530	19,300	1,540	7,960	2,350	6,410	2,920
9	3,700	2,050	1,700	8,780	10,100	2,610	18,200	2,970	5,110	8,160	6,730	1,360
10	2,060	2,360	697	10,600	9,020	2,310	16,100	9,410	8,630	8,770	5,920	1,460
11	3,320	1,400	2,610	7,290	12,000	1,030	15,200	8,530	9,050	2,060	1,560	1,670
12	2,810	1,060	3,760	8,350	15,000	6,430	10,500	1,970	5,390	2,050	2,010	1,740
13	3,560	2,820	3,380	6,060	15,500	7,000	5,050	808	2,570	4,310	6,470	1,500
14	1,960	4,740	8,730	2,660	6,820	8,570	2,270	4,770	2,740	2,310	6,150	4,120
15	1,420	4,350	9,960	5,060	5,120	2,840	927	1,570	7,050	731	6,140	1,480
16	2,760	4,010	7,380	6,210	6,840	5,120	1,950	1,230	15,500	4,060	6,320	784
17	3,460	3,360	4,490	5,870	5,110	6,060	9,490	973	14,600	3,230	2,420	976
18	2,460	1,330	7,220	5,460	1,900	5,300	6,390	1,090	3,300	4,870	1,020	2,630
19	2,320	871	5,490	7,210	3,190	5,650	6,050	609	1,240	6,250	1,140	890
20	3,020	2,720	4,380	2,270	2,870	8,140	6,910	586	1,670	6,590	2,550	3,550
21	1,810	5,090	2,870	2,040	2,030	8,510	1,170	2,100	7,330	4,750	1,010	7,050
22	1,210	5,220	3,660	4,090	4,080	8,910	732	2,540	17,100	713	610	4,680
23	1,200	2,460	1,400	4,470	3,060	7,500	3,230	7,030	18,000	3,560	742	3,250
24	1,220	2,310	762	5,270	1,770	5,200	1,380	4,380	10,700	3,630	2,570	6,740
25	1,000	2,700	746	5,160	1,120	4,760	2,020	4,060	8,520	3,470	3,140	6,830
26	2,020	1,380	4,090	3,580	3,990	5,230	1,690	986	8,110	5,870	1,760	6,680
27	1,260	5,060	7,100	1,750	3,860	1,660	7,230	605	4,560	2,860	5,150	6,360
28	1,130	4,930	8,590	1,080	4,530	3,580	1,310	7,220	2,640	598	5,740	5,490
29	800	7,270	7,780	8,950	------	8,390	721	10,400	5,210	961	7,030	3,310
30	1,170	6,520	1,470	10,500	------	5,680	6,030	16,400	3,910	3,200	7,000	1,800
31	1,760	------	911	9,620	------	11,700	------	7,710	------	2,940	4,700	------
TOTAL	59,370	92,541	125,745	180,627	179,200	153,097	232,010	122,655	210,600	111,533	123,602	96,449
MEAN	1,915	3,085	4,056	5,827	6,400	4,939	7,734	3,957	7,020	3,598	3,987	3,215
MAX	3,700	7,270	9,960	10,600	15,500	11,700	19,300	16,400	18,000	8,770	7,030	7,050
MIN	800	871	697	597	1,120	947	721	586	1,240	598	610	570

CAL YR 1972 TOTAL 1,241,429 MEAN 3,392 MAX 12,300 MIN 525
WTR YR 1973 TOTAL 1,687,429 MEAN 4,623 MAX 19,300 MIN 570

NOTE: No gage height record June 11 to July 11.

02169500 CONGAREE RIVER AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, on right bank at Columbia, 1,000 ft (300 m) downstream from Gervais Street Bridge, 1.4 mi (2.3 km) downstream from confluence of Broad and Saluda Rivers, and at mile 174.8 (281.3 km).

DRAINAGE AREA.--7,850 mi² (20,330 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft (300 m) upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft (34.448 m) above mean sea level.

AVERAGE DISCHARGE.--34 years, 9,166 ft³/s (259.6 m³/s), 15.86 in/yr (403 mm/yr).

EXTREMES.--Current year: Maximum discharge, 99,800 ft³/s (2,830 m³/s) Apr. 2, gage height 23.99 ft (7.312 m); minimum, 974 ft³/s (27.6 m³/s), Oct. 4 gage height 1.78 ft (0.543 m); minimum daily, 2,460 ft³/s (69.7 m³/s).

Period of record: Maximum discharge, 142,000 ft³/s (4,020 m³/s) Apr. 10, 1964, gage height 28.60 ft (8,717 m); minimum, 588 ft³/s (16.7 m³/s) Jan. 19, 1942, gage height 0.94 ft (0.287 m); minimum daily, 662 ft³/s (18.7 m³/s) Oct. 18, 1954.

Maximum flood since at least Oct. 1891, discharge 364,000 ft³/s (10,300 m³/s), gage height 39.8 ft (12.13 m), present datum, at site 1,000 ft (300 m) upstream, from records of National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverts about 42 ft³/s (1.19 m³/s) above station for municipal supply. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,750	4,600	10,100	7,560	13,500	9,720	56,000	12,000	23,000	9,730	10,400	4,850
2	5,720	6,640	8,110	13,400	33,900	10,200	88,400	10,600	15,300	8,470	10,900	3,110
3	5,240	5,740	5,770	15,300	64,900	10,000	76,300	11,500	11,400	9,990	10,300	3,340
4	4,960	4,200	8,260	16,300	78,900	11,500	46,400	10,500	14,800	9,140	12,000	8,050
5	5,360	3,490	6,710	14,200	62,100	16,600	30,700	8,840	13,500	9,360	8,870	4,510
6	4,350	4,880	7,600	11,800	37,300	18,100	21,200	8,060	11,900	10,200	11,200	7,650
7	4,250	4,950	9,370	9,630	25,900	17,900	24,600	10,800	18,600	7,990	11,900	5,740
8	5,260	4,930	9,550	15,400	22,300	18,100	51,900	8,390	23,100	8,260	11,100	5,700
9	7,290	5,900	8,970	16,200	21,500	15,900	57,800	9,730	18,800	12,900	11,500	4,550
10	5,260	6,490	7,040	17,500	20,200	16,300	47,600	16,500	21,000	13,000	10,500	5,180
11	5,430	4,910	7,810	14,100	21,500	12,400	36,900	18,100	26,700	6,940	5,690	5,000
12	5,330	4,610	8,450	14,900	24,400	21,600	26,100	11,700	19,600	7,170	6,230	5,520
13	6,010	5,510	8,930	12,400	24,200	26,600	17,700	10,500	12,300	9,560	10,600	5,060
14	4,320	8,840	15,100	8,780	18,100	26,900	13,100	12,700	11,600	7,250	11,000	11,500
15	3,370	9,360	25,700	11,800	20,600	17,900	10,900	9,200	15,600	5,450	9,570	32,400
16	4,840	13,400	46,500	12,800	21,000	15,800	10,900	7,490	35,100	8,740	10,600	39,400
17	6,070	10,800	58,300	14,000	17,300	20,100	17,300	7,210	39,000	10,000	7,070	30,900
18	4,530	6,800	49,800	14,100	11,600	43,400	15,000	7,410	20,000	11,700	6,530	15,800
19	5,470	5,450	31,700	15,000	11,100	58,100	14,200	6,590	11,500	11,500	5,700	7,480
20	5,090	7,830	18,200	12,500	10,700	43,400	15,100	6,300	11,300	11,600	7,000	9,190
21	3,480	12,100	12,400	11,200	9,800	27,100	9,940	8,330	20,100	9,590	5,330	11,900
22	2,460	13,600	20,000	12,200	11,000	23,000	9,060	8,880	31,000	4,960	4,770	9,540
23	3,590	9,570	31,300	17,300	10,300	21,400	10,200	12,100	32,000	7,780	4,850	7,000
24	3,360	7,700	29,400	23,600	8,780	17,200	9,120	10,700	27,300	8,940	6,250	10,700
25	3,360	7,280	20,900	18,600	7,620	14,900	9,360	10,300	19,400	8,990	6,690	10,400
26	4,700	7,230	16,900	13,500	10,200	15,200	9,360	10,000	16,700	11,900	5,020	10,700
27	3,810	11,500	17,200	13,100	10,300	13,500	14,000	8,790	11,500	8,590	7,900	9,760
28	3,900	12,300	17,200	18,900	11,000	16,400	10,100	14,200	9,030	5,730	10,000	10,200
29	4,250	13,200	15,700	28,800	------	19,100	9,850	28,900	10,700	8,510	9,640	6,650
30	4,100	11,000	9,100	28,400	------	16,100	13,600	55,700	10,200	9,970	10,600	5,370
31	5,440	------	7,900	22,200	------	25,700	------	44,400	------	8,210	7,970	------
TOTAL	147,390	234,810	549,970	475,870	640,000	640,120	782,690	416,420	562,030	282,120	267,680	307,150
MEAN	4,755	7,827	17,740	15,350	22,860	20,650	26,090	13,430	18,730	9,101	8,635	10,240
MAX	7,290	13,600	58,300	28,800	78,900	58,100	88,400	55,700	39,000	13,000	12,000	39,400
MIN	2,460	3,490	5,770	7,560	7,620	9,720	9,060	6,300	9,030	4,960	4,770	3,110

CAL YR 1972 TOTAL 4,062,050 MEAN 11,100 MAX 58,300 MIN 2,460
WTR YR 1973 TOTAL 5,306,250 MEAN 14,540 MAX 88,400 MIN 2,460

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi (3.4 km) upstream from Sixmile Creek, and at mile 5.4 (8.7 km).

DRAINAGE AREA.--136 mi² (352 km²).

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1925, 1944, 1949-59.

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft (39.313 m) above mean sea level (South Carolina Highway Department bench mark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--14 years, 230 ft³/s (6.514 m³/s), 22.97 in/yr (583 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s) June 23, gage height, 4.98 ft (1.518 m); minimum daily, 154 ft³/s (4.36 m³/s) Oct. 10-12.

Period of record: Maximum discharge, 1,840 ft³/s (52.1 m³/s) Oct. 1, 1959, gage height, 5.92 ft (1.804 m), from floodmarks; minimum daily, 111 ft³/s (3.14 m³/s) June 20, 1970.
A discharge of 73.2 ft³/s (2.07 m³/s) was measured on May 10, 1955.

REMARKS.--Records good. About 2.2 ft³/s (0.062 m³/s) diverted by city of Cayce for municipal supply. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1703, 1723: 1960(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	171	192	213	232	237	515	227	224	250	237	175
2	182	168	192	221	355	232	532	220	202	238	286	173
3	157	170	187	228	540	240	344	218	196	400	400	174
4	163	169	183	248	452	356	316	222	191	397	556	177
5	161	166	192	255	344	391	401	222	183	343	442	182
6	164	165	227	261	244	459	286	218	182	301	319	183
7	162	165	316	248	264	606	419	213	247	257	260	179
8	159	217	340	277	259	552	630	215	463	249	262	176
9	156	242	275	353	275	710	563	246	403	243	235	179
10	154	271	224	343	323	552	435	355	385	224	215	221
11	154	200	215	290	376	424	338	303	536	238	207	247
12	154	181	204	271	355	401	294	262	466	259	203	228
13	157	175	194	266	316	412	286	243	382	232	194	227
14	162	201	226	247	324	368	275	220	345	216	187	265
15	162	228	292	237	442	316	264	207	312	229	185	319
16	159	202	397	260	456	292	262	200	716	257	220	271
17	160	221	397	247	385	297	254	198	655	264	222	218
18	160	247	303	237	325	325	254	193	452	271	260	192
19	159	216	263	227	290	301	278	199	335	243	304	186
20	159	260	213	243	273	271	252	196	282	213	294	179
21	159	338	210	235	264	260	229	204	355	202	252	185
22	159	312	307	211	254	246	232	198	640	200	220	217
23	160	238	370	273	250	286	237	189	944	208	207	259
24	166	196	344	242	244	267	269	201	556	235	209	224
25	189	200	314	246	244	250	312	227	391	254	212	192
26	183	275	314	217	244	262	333	218	321	224	224	191
27	177	321	307	265	240	277	319	197	297	211	222	197
28	196	271	264	323	240	264	246	191	290	222	203	197
29	203	212	227	333	------	257	262	215	275	257	188	193
30	185	196	212	312	------	288	238	260	267	280	177	186
31	175	------	288	265	------	394	------	250	------	234	175	------
TOTAL	5.214	6.634	8.134	8.098	8.865	10.748	9.909	6.956	11,513	7.866	7.780	6.190
MEAN	168	221	262	261	317	347	330	224	384	254	251	206
MAX	212	338	397	353	540	710	630	355	944	400	556	319
MIN	154	165	183	211	232	232	229	189	182	200	175	173
CFSM	1.24	1.63	1.93	1.92	2.33	2.55	2.43	1.65	2.82	1.87	1.85	1.51
IN.	1.43	1.81	2.22	2.22	2.42	2.95	2.71	1.90	3.15	2.15	2.13	1.69

CAL YR 1972 TOTAL 80.203 MEAN 219 MAX 596 MIN 148 CFSM 1.61 IN 21.94
WTR YR 1973 TOTAL 97.925 MEAN 268 MAX 944 MIN 154 CFSM 1.97 IN 26.79

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-09	0500	4.46	746	6-16	0500	4.70	800
4-01	1300	4.30	655	6-23	0300	4.98	1,070
4-08	1600	4.40	710				

02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, at upstream side of bridge on U.S. Highway 378 and 76 (Devine Street) at Columbia, 0.75 mi (1.21 km) downstream from Lake Katherine, and at mile 7.7 (12.4 km).

DRAINAGE AREA.--59.6 mi² (154.4 km²).

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft (41.873 m) above mean sea level. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--7 years, 77.5 ft³/s (2.195 m³/s), 17.66 in/yr (449 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s), June 10, gage height, 6.47 ft (1.972 m); minimum daily, 15 ft³/s (0.42 m³/s) Oct. 21-23.

Period of record: Maximum discharge, 1,570 ft³/s (44.5 m³/s) Mar. 3, 1971, gage height, 7.20 ft (2.195 m); minimum daily, 11 ft³/s (0.31 m³/s) Apr. 4, 1967, Oct. 5, 6, 1969.
Flood of Oct. 1, 1964 reached a stage of 8.72 ft (2.658 m), discharge, 2,950 ft³/s (83.5 m³/s).

REMARKS.--Records good except for periods of no gage-height record which are poor. Some possible interruption of natural flow by private lakes upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	48	65	60	132	90	548	80	52	57	72	26
2	18	48	65	60	147	110	325	71	51	64	128	26
3	18	33	66	60	500	140	223	62	49	59	162	38
4	20	33	63	60	800	200	181	59	45	63	134	38
5	42	33	63	62	500	300	152	51	39	52	110	36
6	48	32	46	62	200	600	139	47	56	60	99	35
7	38	37	150	64	130	600	246	47	147	52	97	34
8	28	55	140	70	130	500	504	92	103	56	102	32
9	22	46	110	80	80	346	320	118	158	52	75	87
10	18	70	100	70	103	243	227	93	608	47	59	160
11	18	54	90	65	110	224	184	96	598	43	50	99
12	17	51	70	62	120	368	166	122	293	43	45	81
13	17	45	60	62	140	301	154	101	212	42	41	72
14	16	51	80	60	150	223	142	89	179	45	39	88
15	16	52	100	60	160	182	134	76	153	49	40	72
16	16	60	120	75	160	150	124	57	163	45	36	61
17	16	75	100	90	140	141	115	43	137	44	35	52
18	16	80	90	101	130	156	102	52	117	48	32	47
19	16	80	70	107	110	141	101	55	97	44	28	43
20	16	131	60	113	95	128	91	55	90	36	34	39
21	15	114	90	104	90	134	80	60	100	32	49	39
22	15	45	120	114	85	132	73	55	306	29	65	38
23	15	66	150	109	80	127	69	55	248	35	54	39
24	24	54	140	98	75	120	100	55	157	103	45	37
25	33	82	120	86	70	124	100	60	150	111	40	36
26	37	110	100	95	70	130	100	70	131	81	37	42
27	42	94	85	142	70	127	163	60	98	60	36	39
28	54	76	75	158	70	126	132	60	82	54	33	39
29	48	64	65	169	------	123	110	60	88	55	32	38
30	49	60	60	143	------	138	91	65	63	51	29	49
31	49	------	60	119	------	366	------	59	------	45	26	------
TOTAL	815	1,891	2,763	2,780	4,647	6,816	5,245	2,125	4,770	1,695	1,864	1,562
MEAN	26.3	63.0	89.1	89.7	166	220	175	68.5	159	54.7	60.1	52.1
MAX	54	131	150	169	800	600	548	122	608	111	162	160
MIN	15	32	46	60	70	90	69	43	39	29	26	26
CFSM	.44	1.06	1.50	1.51	2.79	3.69	2.94	1.15	2.67	.92	1.01	.87
IN.	.51	1.18	1.72	1.74	2.90	4.25	3.27	1.33	2.98	1.06	1.16	.97

CAL YR 1972 TOTAL 25,965 MEAN 70.9 MAX 528 MIN 14 CFSM 1.19 IN 16.21
WTR YR 1973 TOTAL 36,973 MEAN 101 MAX 800 MIN 15 CFSM 1.69 IN 23.08

PEAK DISCHARGE (BASE, 500 CFS)

NOTE: No gage-height record Dec. 3 to Jan. 17, Feb. 2 to Mar. 9.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-09	1200	4.95	538	6-10	1200	6.47	1,070
3-31	1500	5.64	712	6-22	0500	4.97	542
4-07	2000	5.78	754				

02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, on right downstream wingwall of bridge on U. S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--10.0 mi^2 (25.9 km^2).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 175 ft (53.3 m), from topographic map.

AVERAGE DISCHARGE.--7 years, 14.2 ft^3/s (0.40 m^3/s), 19.28 in/yr (490 mm/yr).

EXTREMES.--Current year: Maximum discharge, 157 ft^3/s (4.45 m^3/s) Feb. 2, gage height 4.29 ft (1.308 m); minimum daily, 9.6 ft^3/s (0.27 ^{3}/s) Oct. 18.

Period of record: Maximum discharge, 1,360 ft^3/s (38.5 m^3/s) July 29, 1971, gage height 6.66 ft (2.030 m); minimum daily, 4.7 ft^3/s (0.13 m^3/s) July 3, 12, Aug. 4, 1970.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	14	17	17	22	43	19	13	17	14	10
2	12	12	14	19	85	23	28	19	13	17	20	11
3	12	12	14	18	45	30	25	19	13	16	30	12
4	12	13	14	17	31	26	28	18	14	16	24	13
5	12	12	14	16	28	30	24	17	13	18	19	15
6	12	11	33	20	27	46	23	16	24	16	17	12
7	11	14	22	17	25	36	57	19	41	20	15	11
8	11	31	16	32	26	31	62	25	19	18	15	11
9	11	14	16	21	33	29	35	28	30	16	15	12
10	10	12	14	19	37	28	29	17	57	15	15	13
11	9.	12	15	21	31	27	26	16	32	15	14	14
12	10	12	15	22	27	54	26	18	41	15	13	12
13	11	12	15	19	27	31	25	15	36	15	13	11
14	11	14	16	19	41	28	25	16	27	19	13	15
15	10	12	26	19	54	27	24	16	26	17	14	14
16	10	14	21	19	41	26	24	16	43	20	16	13
17	9.8	19	16	18	33	29	23	16	28	32	14	12
18	9.6	14	15	17	29	25	23	17	23	17	14	12
19	10	13	16	20	28	24	23	17	21	15	15	12
20	10	15	15	18	27	24	22	17	21	13	14	12
21	10	13	31	17	26	25	21	17	23	12	14	14
22	11	13	37	20	25	23	21	16	27	12	15	12
23	10	12	26	17	25	22	20	15	21	15	18	12
24	14	13	19	17	24	22	3.	16	19	35	19	11
25	13	25	26	16	24	26	28	15	17	40	17	11
26	12	31	21	19	24	26	23	14	17	30	15	11
27	12	17	18	27	23	23	28	14	18	24	14	12
28	17	15	17	27	23	22	22	14	17	18	13	11
29	13	16	16	25	------	26	21	14	29	16	12	11
30	12	21	16	19	------	27	19	14	17	14	11	12
31	11	------	17	18	------	45	------	13	------	14	10	------
TOTAL	352.2	456	588	610	887	881	832	523	740	577	482	364
MEAN	11.4	15.2	19.0	19.7	31.7	28.4	27.7	16.9	24.7	18.6	15.5	12.1
MAX	17	31	37	32	85	54	62	28	57	40	30	15
MIN	9.6	11	14	16	17	22	19	13	13	12	10	10
CFSM	1.14	1.52	1.90	1.97	3.17	2.84	2.77	1.69	2.47	1.86	1.55	1.21
IN.	1.31	1.70	2.19	2.27	3.30	3.28	3.10	1.95	2.75	2.15	1.79	1.35

CAL YR 1972 TOTAL 6,145.80 MEAN 16.8 MAX 37 MIN 0 CFSM 1.68 IN 22.86
WTR YR 1973 TOTAL 7,292.20 MEAN 20.0 MAX 85 MIN 9.6 CFSM 2.00 IN 27.13

PEAK DISCHARGE (BASE, 100 CFS) NOTE: No gage-height record July 19 to Sept. 14.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-02	1315	4.29	157	4-07	2130	4.12	124

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'15", long 80°08'25", Berkeley County, on right bank 0.6 mi (1.0 km) upstream from bridge on State Highway 455 and 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft (18.29 m) above mean sea level (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 mi (6.3 km) downstream from base gage.

AVERAGE DISCHARGE.--30 years, 14,720 ft^3/s (417 m^3/s).

EXTREMES.--Period of record: Maximum daily discharge, 40,200 ft^3/s (1,140 m^3/s) Mar. 10, 1952; minimum daily (normal operation), 61 ft^3/s (1.73 m^3/s) Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 ft^3/s (343 m^3/s) Feb. 9, 1947 (caused by unusual operation of gates).

REMARKS.--Records good except those for periods of no gage-height record which are poor. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.060	7.050	111.000	26.400	26.900	21.200	27.500	21.000	20.500	28.000	13.500	13.400
2	5.020	7.220	110.100	24.100	29.300	20.300	26.500	22.900	24.500	27.000	13.400	14.800
3	7.380	7.150	111.500	21.600	30.000	19.700	18.000	22.900	28.600	25.600	13.400	12.900
4	9.530	3.270	111.800	21.700	25.600	19.900	20.700	22.900	30.400	25.300	14.100	11.800
5	11.800	11.900	9.550	22.500	24.100	19.500	27.300	23.800	30.400	25.700	15.800	9.850
6	3.560	9.440	7.960	22.200	24.700	20.700	30.700	23.800	29.300	24.000	16.200	11.100
7	7.550	11.000	9.070	22.000	28.000	21.900	30.600	23.000	29.500	20.900	14.400	14.900
8	5.410	14.300	110.900	23.100	24.100	23.200	30.300	22.800	32.100	20.000	15.300	10.600
9	2.840	12.000	110.900	23.900	24.200	26.600	26.000	23.200	29.700	19.400	16.000	14.400
10	6.710	13.400	110.100	24.100	30.300	26.200	28.500	21.300	35.100	18.300	16.800	12.300
11	5.790	16.000	9.320	25.000	27.000	27.200	27.100	17.800	31.300	18.200	17.800	7.500
12	8.850	11.300	9.130	25.600	27.000	29.200	29.400	23.900	34.900	18.000	18.200	10.100
13	4.520	14.800	8.510	26.200	27.000	28.000	30.800	21.900	26.700	16.900	17.400	8.740
14	9.070	12.800	8.420	26.100	27.000	27.100	31.000	22.900	26.000	15.700	15.300	9.670
15	7.540	15.900	110.100	26.600	28.200	25.700	30.200	22.200	26.700	15.600	16.800	11.400
16	6.540	12.800	117.100	25.500	28.500	26.000	30.700	19.100	28.000	16.700	15.300	14.500
17	8.790	8.950	117.600	23.900	27.000	29.200	30.700	19.700	27.800	16.100	15.900	17.200
18	6.950	8.910	119.000	22.900	25.800	24.000	30.000	15.500	32.800	17.500	16.500	20.200
19	10.700	6.620	222.300	22.800	26.700	21.700	29.800	15.800	31.200	16.900	12.700	22.100
20	6.960	5.800	227.600	22.200	28.400	21.800	29.400	15.000	25.800	16.300	13.800	24.000
21	7.780	6.220	332.100	21.600	24.400	25.300	29.100	12.100	26.300	16.600	13.100	24.300
22	6.290	7.570	336.100	22.000	28.700	28.800	28.800	12.000	27.400	16.900	9.930	21.200
23	6.080	7.330	336.700	22.200	27.100	30.400	28.300	12.200	28.300	16.800	9.930	7.170
24	6.560	6.650	335.000	22.400	26.100	30.200	27.100	9.980	26.700	17.200	12.200	27.400
25	5.400	5.980	333.700	22.700	24.800	30.800	25.200	12.300	27.700	15.400	11.900	15.400
26	5.270	5.280	333.100	23.200	24.200	32.200	23.300	10.700	27.300	14.900	18.800	13.200
27	4.580	2.650	331.600	24.500	23.300	30.200	22.800	10.700	26.600	15.900	7.180	12.500
28	9.640	6.750	229.700	24.900	22.200	29.300	21.400	10.800	27.300	16.100	12.600	12.900
29	5.220	8.730	228.700	26.100	------	29.400	20.400	17.500	30.400	14.800	13.600	13.000
30	4.430	10.900	228.300	24.900	------	29.100	19.400	17.500	27.800	14.200	12.900	12.500
31	6.340	------	227.600	26.000	------	28.500	------	18.800	------	13.200	13.400	------
TOTAL	213.240	279.670	6004.660	738.900	755.600	802.300	809.000	565.980	856.000	577.100	444.140	431.030
MEAN	6.879	9.289	119.510	23.840	26.990	25.880	26.970	18.260	28.530	18.620	14.330	14.370
MAX	11.800	16.000	336.700	26.600	30.300	32.200	31.000	23.900	35.100	28.000	18.800	27.400
MIN	2.840	2.650	7.960	21.600	22.200	19.500	18.000	9.980	20.500	13.200	7.180	7.170

WTR YR 1973 TOTAL 7.076.6220 MEAN 19.390 MAX 36.700 MIN 2.650

NOTE:--No gage height Oct. 7 to Nov. 16, Apr. 30 to July 6.

02171000 LAKE MARION NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, at right upstream end of spillway, 2.8 mi (4.5 km) upstream from old Santee Canal, 5.4 mi (8.7 km) upstream from Dead River, and 8.0 mi (12.9 km) west of Pineville.

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 76.97 ft (23.460 m) Mar. 17(distorted due to high westerly winds); minimum, 74.12 ft (22.592 m) Dec. 17.

Period of record: Maximum elevation, 77.35 ft (23.576 m) Feb. 28, 1964 (distorted due to high westerly winds); minimum, 61.36 ft(18.703 m) Oct. 17, 1951.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 ft³ (1,357,000,000 m³) between elevations 60.0 ft (18.29 m)(limit of drawdown) and 76.8 ft (23.41 m)(maximum normal lake elevation). Dead storage, about 15,250,000,000 ft³ (431,900,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 63.0 ft (19.20 m); top of spillway gates, 76.8 ft (23.41 m). Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

Capacity table [(elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from volume curve drawn by Harza Engineering Co.)

71.0 ft (21.64 m)	24.31 ft³ (688.5 m³)
72.0 ft (21.95 m)	27.75 ft³ (785.9 m³)
74.0 ft (22.56 m)	35.41 ft³ (1,003.0 m³)
76.0 ft (23.16 m)	44.13 ft³ (1,250.0 m³)
77.0 ft (23.47 m)	48.88 ft³ (1,384.0 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.53	75.33	74.56	76.48	76.13	76.08	76.50	75.86	75.69	76.55	75.90	75.37
2	75.58	75.35	74.55	76.29	76.43	76.06	75.91	75.88	76.07	76.55	75.82	75.35
3	75.54	75.38	74.56	76.13	76.36	76.00	75.30	75.89	76.43	76.45	75.87	75.27
4	75.53	75.41	74.52	76.02	76.11	75.97	75.69	75.87	76.57	76.38	75.95	75.18
5	75.45	75.35	74.46	75.98	75.90	75.99	76.16	75.74	76.54	76.24	76.02	75.15
6	75.42	75.25	74.51	75.98	76.09	76.02	76.44	75.70	76.56	76.19	76.04	75.14
7	75.42	75.15	74.46	75.96	76.36	76.08	76.55	75.58	76.40	76.14	76.07	75.11
8	75.40	75.07	74.42	76.10	76.44	76.18	76.29	75.60	76.59	76.11	76.03	75.09
9	75.39	74.93	74.37	76.08	76.50	76.30	76.19	75.59	76.65	76.05	76.01	75.05
10	75.40	74.86	74.35	76.02	76.61	76.42	75.96	75.55	76.67	75.99	75.98	75.06
11	75.39	74.74	74.31	76.07	76.50	76.60	76.11	75.53	76.71	76.00	75.94	75.09
12	75.39	74.62	74.24	76.06	76.51	76.66	76.37	75.58	76.59	75.99	75.90	75.09
13	75.39	74.48	74.20	76.05	76.49	76.58	76.51	75.60	76.49	76.00	75.78	75.17
14	75.39	74.51	74.17	76.06	76.58	76.52	76.53	75.62	76.61	76.01	75.67	75.25
15	75.36	74.30	74.31	75.99	76.63	76.50	76.54	75.54	76.61	75.96	75.63	75.20
16	75.35	74.32	74.21	75.88	76.59	76.48	76.71	75.50	76.62	75.95	75.61	75.24
17	75.25	74.28	74.12	75.78	76.49	76.30	76.74	75.44	76.58	75.91	75.64	75.27
18	75.21	74.23	74.24	75.71	76.41	75.93	76.71	75.32	76.60	75.94	75.67	75.37
19	75.11	74.32	74.60	75.70	76.53	75.68	76.74	75.28	76.63	75.96	75.67	75.50
20	75.03	74.29	75.37	75.70	76.71	75.62	76.72	75.27	76.62	75.97	75.60	75.62
21	75.08	74.18	75.96	75.68	76.78	75.99	76.72	75.20	76.59	76.00	75.52	75.62
22	75.09	74.19	76.32	75.79	76.70	76.17	76.69	75.19	76.59	76.02	75.47	75.57
23	75.09	74.20	76.44	75.72	76.66	76.36	76.50	75.27	76.49	76.08	75.47	75.51
24	75.13	74.24	76.50	75.68	76.57	76.44	76.47	75.26	76.47	76.02	75.48	75.46
25	75.16	74.45	76.62	75.67	76.48	76.70	76.30	75.30	76.44	75.99	75.51	75.38
26	75.17	74.50	76.70	75.73	76.36	76.70	76.20	75.41	76.44	75.96	75.50	75.42
27	75.19	74.52	76.62	75.80	76.19	76.55	76.12	75.50	76.54	75.92	75.46	75.49
28	75.31	74.52	76.55	75.95	76.05	76.60	75.95	75.59	76.61	75.92	75.38	75.51
29	75.36	74.52	76.58	75.92	------	76.64	75.91	75.57	76.60	75.87	75.36	75.56
30	75.36	74.60	76.60	75.97	------	76.63	75.90	75.55	76.58	75.83	75.35	75.59
31	75.33	------	76.60	76.03	------	76.62	------	75.56	------	75.81	75.38	------
MEAN	75.32	74.67	75.17	75.93	76.44	76.29	76.32	75.53	76.52	76.06	75.70	75.32
MAX	75.58	75.41	76.70	76.48	76.78	76.70	76.74	75.89	76.71	76.55	76.07	75.62
MIN	75.03	74.18	74.12	75.67	75.90	75.62	75.30	75.19	75.69	75.81	75.35	75.05
(†)	41.12	37.95	46.98	44.27	44.36	47.07	43.68	42.15	46.88	43.27	41.35	42.29
(‡)	-284	-1,223	+3,371	-1,012	+37	+1,012	-1,308	-571	+1,825	-1,348	-717	+363

CAL YR 1972 ‡ +205 MAX 76.77 MIN 74.12
WTR YR 1973 ‡ +13 MAX 76.78 MIN 74.12

(†) Contents, in billions of cubic feet, at end of month.
(‡) Change in contents, equivalent in cubic feet per second.

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--April 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft (7.010 m) above mean sea level (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 mi (3.5 km) upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft (60 m) upstream, at different datum.

AVERAGE DISCHARGE.--31 years, 2,230 ft³/s (63.15 m³/s), 2.06 in/yr (52 mm/yr).

EXTREMES.--Current year: Maximum discharge, 50,100 ft³/s (1,420 m³/s) Apr. 6, 7, gage height, 25.24 ft (7.693 m), from rating curve extended above 13,000 ft³/s (368 m³/s) as described below; minimum daily, 494 ft³/s (14.0 m³/s) Oct. 18.

Period of record: Maximum discharge, 155,000 ft³/s (4,390 m³/s) Sept. 23, 1945 (gage height 31.1 ft (9.48 m), from floodmarks), from rating curve extended above 13,000 ft³/s (368 m³/s) by computation of flow over spillway at Lake Marion; minimum daily, 9.0 ft³/s (0.25 m³/s) Feb. 23, 1947 (caused by repair work at spillway).

REMARKS.--Records good. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements, in cubic feet per second, of Little River, just below dam, made during water year 1973 are given herewith:

Dec. 20 .... 21.8 ft³/s (0.62 m³/s)
May 17 .... 29.6 ft³/s (0.84 m³/s)

Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	557	506	640	755	566	585	18,100	608	738	1,680	525	516
2	544	497	541	614	4,580	576	38,500	545	738	934	525	519
3	541	503	525	589	23,200	592	45,800	579	745	742	522	519
4	538	506	537	576	30,300	576	45,400	621	765	765	525	522
5	528	512	525	576	39,100	570	48,000	573	761	860	519	537
6	547	516	566	573	48,400	576	49,600	560	605	645	519	522
7	611	525	560	573	48,500	563	48,300	553	560	653	519	525
8	528	653	560	617	47,100	553	45,500	553	541	637	522	528
9	516	519	550	614	37,600	557	37,100	547	699	624	525	522
10	528	512	537	588	33,600	550	34,300	537	5,710	608	519	519
11	531	506	522	569	31,400	630	31,800	531	19,500	595	522	522
12	525	503	520	569	21,300	3,680	32,000	579	36,500	595	544	522
13	522	506	531	573	21,000	10,900	29,200	544	35,700	585	550	522
14	522	519	522	566	21,200	13,500	27,200	528	18,000	582	522	512
15	516	557	525	738	22,000	14,500	21,500	528	16,900	646	522	512
16	509	519	823	569	23,200	14,900	8,900	531	14,200	573	525	516
17	494	530	647	566	22,100	23,600	4,060	557	7,700	605	525	516
18	494	525	525	563	20,400	26,700	3,350	531	9,430	569	519	516
19	506	522	516	608	14,900	24,400	1,960	522	16,600	557	522	512
20	516	519	506	569	4,230	22,300	1,270	550	21,600	553	557	512
21	516	525	522	563	2,580	21,000	1,090	522	18,900	547	525	512
22	503	525	627	566	2,070	21,000	1,030	519	9,600	544	522	516
23	500	525	1,720	563	1,520	21,000	1,170	528	6,420	547	522	516
24	500	531	4,110	563	970	18,700	977	522	5,530	557	531	516
25	503	547	4,310	563	682	5,360	755	547	9,720	550	519	516
26	497	718	7,650	563	627	7,700	725	528	16,300	531	519	512
27	500	553	14,100	566	633	11,000	2,270	534	12,700	522	519	509
28	519	534	14,000	582	605	3,850	2,730	537	6,540	522	522	509
29	500	522	6,780	1,810	------	3,270	775	560	6,040	537	522	512
30	503	544	3,240	649	------	3,300	627	608	3,790	525	522	512
31	506	------	1,640	566	------	5,740	------	742	------	522	519	------
TOTAL	16,116	15,979	69,936	19,497	524,363	282,737	583,989	17,264	303,532	19,952	16,270	15,521
MEAN	520	533	2,256	629	18,730	9,121	19,470	557	10,120	644	525	517
MAX	611	718	14,100	1,810	48,500	26,700	49,600	742	36,500	1,680	557	537
MIN	494	497	506	563	566	550	627	519	541	522	519	509

CAL YR 1972 TOTAL 513,778 MEAN 1,404 MAX 19,800 MIN 424
WTR YR 1973 TOTAL 1,885,156 MEAN 5,165 MAX 49,600 MIN 494

02171650 SANTEE RIVER BELOW ST. STEPHENS, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, on right bank, 600 ft (180 m) downstream from Mattassee Lake, on Tract 13P of Francis Marion National Forest, 3.9 mi (6.3 km) east of St. Stephens, and at mile 52.0 (83.7 km).

DRAINAGE AREA.--14,900 mi² (38,600 km²), approximately.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m)(from topographic map).

EXTREMES.--Current year: Maximum discharge, 61,800 ft³/s (1,750 m³/s) Apr. 9, gage height, 25.32 ft (7.718 m); minimum daily, 526 ft³/s (14.90 m³/s) Sept. 28.

Period of record: Maximum discharge, 66,200 ft³/s (1,875 m³/s) Mar. 10, 1971 (gage height, 25.77 ft (7.855 m); minimum daily, 519 ft³/s (14.7 m³/s) Oct. 16, 1970.

REMARKS.--Records good, except periods of no gage-height record, which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	629	600	650	14,000	1,280	1,490	14,000	2,500	785	14,200	666	596
2	631	600	600	10,000	1,240	1,370	17,000	1,200	792	12,300	659	582
3	625	600	600	5,000	5,020	1,390	14,400	950	749	10,200	673	582
4	622	600	600	2,000	10,800	1,510	22,000	900	806	10,100	680	568
5	616	600	600	1,100	12,700	1,540	38,500	850	813	9,800	701	575
6	615	650	600	1,050	14,500	1,590	48,000	850	806	9,500	701	603
7	635	700	600	1,000	22,900	1,550	56,200	800	722	7,910	701	582
8	650	700	600	1,000	35,000	1,420	59,500	800	680	1,190	701	582
9	650	700	600	1,000	50,000	1,450	60,300	750	701	1,060	687	582
10	650	650	600	950	51,000	1,480	55,600	750	841	960	680	575
11	650	650	600	950	50,200	1,420	49,000	750	4,800	876	666	575
12	650	650	600	950	38,500	1,400	43,100	750	12,400	820	659	575
13	650	650	600	900	34,900	4,200	38,900	700	17,200	792	673	554
14	650	650	600	900	31,600	9,010	36,500	700	24,100	764	687	596
15	650	650	600	900	27,600	10,600	34,000	701	41,800	694	652	596
16	650	650	650	900	25,700	14,000	31,700	647	39,700	764	645	652
17	650	650	700	900	24,600	17,000	28,000	647	35,600	757	638	631
18	600	650	700	900	24,800	24,000	26,400	694	31,200	820	652	596
19	600	600	750	900	24,700	35,000	23,000	647	26,800	778	652	540
20	600	600	850	900	23,800	40,000	15,000	673	24,600	750	645	547
21	600	600	1,000	900	20,700	40,000	9,000	687	23,600	729	666	547
22	600	600	1,900	900	15,100	35,000	4,500	666	23,600	631	652	554
23	600	600	3,000	900	9,520	30,000	3,000	659	24,200	631	631	540
24	600	600	4,000	950	6,220	30,000	2,000	659	23,900	750	631	540
25	600	650	7,000	950	4,240	25,000	2,000	659	20,900	743	638	533
26	600	650	9,000	1,000	2,770	17,000	3,000	666	19,400	736	652	533
27	600	650	11,000	1,000	2,000	17,000	4,000	659	19,400	715	659	533
28	600	650	14,000	1,100	1,660	16,000	4,800	652	19,000	694	638	526
29	600	650	20,000	1,500	------	14,000	5,000	659	17,800	687	624	533
30	600	650	21,000	1,780	------	12,000	4,200	673	15,900	680	603	533
31	600	------	18,000	1,350	------	13,000	------	715	------	666	589	------
TOTAL	9,273	19,100	122,600	58,530	573,190	420,450	749,700	24,733	473,645	92,697	20,401	17,061
MEAN	622	637	3,955	1,888	20,470	13,560	24,990	798	15,790	2,990	658	569
MAX	650	700	21,000	14,000	51,000	40,000	60,300	2,500	41,800	14,200	701	652
MIN	600	600	600	900	1,280	1,370	2,000	652	680	631	589	526

CAL YR 1972 TOTAL 616,652 MEAN 1,685 MAX 22,100 MIN 547
WTR YR 1973 TOTAL 2,591,380 MEAN 7,100 MAX 60,300 MIN 526

NOTE: No gage-height Oct. 7 to Jan. 30.

02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, on right downstream wingwall of culvert on S. C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi² (45.1 km²).

PERIOD OF RECORD.--September 1966 to Feb. 1972, Feb. 1973 to Sept. 1973.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (6.1 m)(from topographic map).

AVERAGE DISCHARGE.--5 years, 9.39 ft³/s (0.266 m³/s), 7.33 in/yr (186 mm/yr).

EXTREMES.--Current year: Maximum discharge, 856 ft³/s (24.2 m³/s) Apr. 10, gage height, 5.86 ft (1.786 m); no flow Aug. 14.

Period of record: Maximum discharge, 928 ft³/s (26.3 m³/s) Aug. 26, 1971 (gage height, 5.96 ft (1.817 m)); no flow for many days during water year 1966-69, Aug. 14, 1973.

REMARKS.--Records good except below 10 ft³/s (0.28 m³/s), and periods of no gage height record, which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					31	14	73	3.4	1.6	9.3	.56	.60
2					63	16	126	3.3	1.4	6.3	.40	.60
3					106	23	86	3.2	1.3	4.6	3.8	.55
4					81	31	65	3.1	1.2	3.4	8.7	.50
5					56	33	50	2.9	1.1	2.7	6.6	.50
6					43	46	40	2.6	1.1	3.0	5.2	.46
7					35	70	173	2.4	1.3	4.1	3.4	.44
8					27	90	680	2.6	1.3	3.2	2.2	.46
9					45	150	760	3.6	2.4	2.3	1.3	.80
10					188	200	832	2.8	16	1.9	.80	.99
11					248	250	465	2.3	115	1.6	.56	.64
12					274	350	396	2.2	297	1.8	.40	.60
13					213	380	205	2.0	220	1.4	.16	.50
14					170	390	104	2.4	230	1.5	0	.48
15					332	260	66	3.8	134	1.4	1.7	.46
16					260	110	41	2.6	120	1.1	7.8	.44
17					162	80	21	2.1	90	1.5	3.4	.42
18					105	60	13	1.8	70	2.7	5.4	.40
19					76	40	7.9	1.7	60	1.4	4.9	.38
20					56	35	6.7	1.7	50	1.3	3.6	.36
21					45	30	6.0	1.5	41	1.7	3.0	.36
22					38	25	5.3	1.5	35	1.5	2.2	.34
23					31	20	4.9	1.4	32	2.3	1.8	.34
24					25	22	4.5	1.5	34	16	1.5	.34
25					21	20	4.3	1.7	33	7.3	2.5	.34
26					19	15	5.0	1.5	31	4.1	1.4	.32
27					21	12	7.0	1.5	27	2.4	1.1	.32
28					21	9.9	5.6	1.4	21	1.8	1.0	.32
29					------	8.1	4.5	2.7	17	1.4	.95	.30
30					------	11	3.9	3.6	14	.80	.75	.30
31					------	17	------	2.1	------	.64	.70	------
TOTAL					2,832	2,817.0	4,261.6	72.9	1,707.7	94.44	77.78	13.86
MEAN					101	90.9	142	2.35	56.9	3.05	2.51	.46
MAX					332	390	832	3.8	297	16	8.7	.99
MIN					19	8.1	3.9	1.4	1.1	.64	0	.30
CFSM					5.80	5.22	8.16	.14	3.27	.18	.14	.03
IN.					6.05	6.02	9.11	.16	3.65	.20	.17	.03

PEAK DISCHARGE (BASE, 100 CFS) NOTE: No gage-height record Aug. 20 to Sept. 30.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-03	0300	3.60	112	4-02	0200	4.06	138
2-15	0830	4.83	368	4-10	0800	5.86	856
3-13	unknown	4.91 (from indicator)	400	4-12	1200	[illegible]	570

02172000 LAKE MOULTRIE NEAR PINOPOLIS, S.C.

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, at powerplant 0.7 mi (1.1 km) upstream from Seaboard Coast Line Railroad bridge and 2.8 mi (4.5 km) northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft (.076 m) lower.

EXTREMES.--Current year: Maximum elevation, 75.44 ft (22.994 m) Oct. 3; minimum, 72.62 ft (22.135 m) Dec. 20.

Period of record: Maximum elevation, 76.21 ft (23.229 m) Oct. 14, 1959 (affected by high wind); minimum, 58.52 ft (17.837 m) Dec. 21, 1951.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 ft³ (939,400,000 m³) between elevations 60.0 ft (18.29 m)(normal limit of drawdown) and 76.8 ft (23.41 m) (maximum normal elevation). Dead storage, about 19,600,000,000 ft³ (555,100,000 m³). Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft (.076 m) too high. Records of change in contents published for the same period are slightly in error.

Capacity table [(elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Prepared from volume curve drawn by Harza Engineering Co.)

68.0 ft (20.73 m)	12.37 ft³ (350.3 m³)
70.0 ft (21.34 m)	16.47 ft³ (466.4 m³)
72.0 ft (21.95 m)	20.91 ft³ (592.2 m³)
74.0 ft (22.56 m)	25.74 ft³ (729.0 m³)
76.0 ft (23.16 m)	40.97 ft³ (877.1 m³)

ELEVATION, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	------	[illegible]	[illegible]	------	[illegible]	------	[illegible]	------	[illegible]	[illegible]	------
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp, and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi² (1,770 km²).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft (45.421 m) above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 791 ft³/s (22.41 m³/s), 15.73 in/yr (400 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,730 ft³/s (106 m³/s), June 13, gage height 10.01 ft (3.051 m); minimum, 448 ft³/s (12.7 m³/s) Oct. 17, 23, 24.

Period of record: Maximum discharge, 9,500 ft³/s (269 m³/s) Sept. 18, 1945, gage height, 14.28 ft (4.353 m), from rating curve extended above 5,300 ft³/s (150 m³/s) by velocity-area studies; minimum, 190 ft³/s (5.38 m³/s) Sept. 13, 14, 1954.

Maximum flood known since at least 1893, 14.7 ft (4.48 m) in September 1928, discharge, 10,000 ft³/s (283 m³/s), from rating curve extended as described above, on basis of information from Department of Public Utilities, City of Orangeburg.

REMARKS.--Records good. About 6.6 ft³/s (0.19 m³/s) diverted by city of Orangeburg for municipal supply. Records of chemical analyses are published in part 2 of this report.

REVISIONS.--WSP 1032: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	542	558	882	940	1,230	1,140	1,950	1,210	667	1,560	900	640
2	527	551	870	1,000	1,790	1,120	2,080	1,090	648	1,440	815	600
3	528	565	862	1,020	3,070	1,200	2,010	1,010	646	1,230	755	600
4	534	563	797	1,020	3,200	1,260	1,990	954	644	1,210	750	585
5	536	537	722	1,000	2,580	1,390	2,010	894	651	1,280	830	570
6	540	528	796	1,020	2,020	1,520	2,120	862	640	1,510	1,220	600
7	537	525	866	1,030	1,860	1,740	1,970	800	637	1,680	1,100	600
8	524	554	976	1,200	1,890	1,880	2,100	803	692	1,400	1,030	650
9	509	567	1,090	1,320	1,770	2,090	2,430	882	976	1,310	1,010	650
10	482	604	1,060	1,300	1,720	2,110	2,570	1,360	1,360	1,190	950	680
11	479	648	976	1,400	1,770	2,140	2,710	1,610	1,650	1,060	850	660
12	463	658	907	1,330	1,870	2,340	2,360	1,270	2,820	988	795	700
13	459	638	856	1,270	1,800	2,370	2,300	1,130	3,600	929	700	700
14	457	624	819	1,200	1,810	2,320	1,960	1,130	2,840	891	700	710
15	454	616	797	1,240	2,060	2,060	1,590	1,080	2,400	865	704	700
16	451	602	805	1,190	2,940	1,760	1,430	1,040	2,500	823	760	720
17	448	599	821	1,050	2,720	1,840	1,330	916	2,600	831	755	700
18	451	602	907	1,000	2,280	1,970	1,260	822	2,360	904	800	720
19	453	616	910	990	2,050	1,670	1,210	767	2,090	970	815	680
20	452	658	876	970	1,990	1,630	1,180	756	1,880	962	900	680
21	452	674	910	962	1,820	1,560	1,230	713	2,620	890	1,050	650
22	452	670	1,240	994	1,610	1,380	1,180	685	1,960	882	930	650
23	448	656	1,450	1,020	1,460	1,260	1,070	682	1,690	950	815	650
24	448	636	1,400	1,030	1,340	1,220	1,020	673	1,490	870	795	650
25	501	676	1,300	970	1,280	1,220	1,090	676	1,050	870	720	680
26	525	788	1,230	966	1,230	1,270	1,090	680	1,780	850	700	690
27	533	822	1,210	1,020	1,190	1,380	1,280	668	1,630	850	780	630
28	575	1,060	1,300	1,120	1,100	1,370	1,260	656	1,700	800	710	680
29	582	1,010	1,210	1,290	------	1,310	1,290	656	1,570	795	710	680
30	576	942	1,090	1,350	------	1,310	1,260	672	1,450	1,050	860	650
31	566	------	1,010	1,330	------	1,470	------	681	------	1,010	860	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi² (4,450 km²), approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft (24.390 m) above mean sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--28 years, 2,015 ft³/s (57.06 m³/s), 15.91 in/yr (mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,120 ft³/s (258 m³/s), June 17, gage height, 10.12 ft (3.085 m); minimum, 854 ft³/s (24.2 m³/s) Oct. 18, 19, 23, 24.

Period of record: Maximum discharge, 14,600 ft³/s (413 m³/s) Sept. 3, 1964, gage height, 11.44 ft (3.487 m); minimum 323 ft³/s (9.15 m³/s) Aug. 14, 1956.

Maximum flood known since at least 1893, 13.5 ft (4.11 m), present datum, in September 1928, on basis of information from State Highway Department (discharge, 25,700 ft³/s (728 m³/s), by conveyance-slope study).

REMARKS.--Records good except for periods of no gage-height record which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,020	1,110	1,970	3,000	4,300	3,310	3,940	2,660	1,410	4,400	1,890	1,520
2	1,010	1,110	2,100	2,940	4,500	3,210	4,520	2,640	1,410	3,980	2,030	1,470
3	996	1,110	2,160	2,920	5,000	3,260	5,100	2,640	1,410	3,600	2,080	1,420
4	976	1,110	2,110	2,920	5,700	3,280	5,500	2,610	1,390	3,310	2,100	1,380
5	974	1,110	2,030	3,000	6,880	3,320	5,440	2,520	1,360	3,190	2,490	1,360
6	983	1,090	2,070	3,100	7,180	3,500	5,200	2,410	1,360	3,150	2,580	1,320
7	995	1,090	2,210	3,300	7,100	3,830	5,100	2,280	1,360	3,070	2,460	1,310
8	1,000	1,090	2,360	4,000	6,520	4,180	6,080	2,170	1,370	3,030	2,370	1,300
9	1,010	1,100	2,570	4,600	5,860	4,600	6,560	2,140	1,440	3,320	2,430	1,320
10	1,000	1,110	2,660	5,100	5,800	5,060	6,860	2,200	1,630	3,280	2,430	1,390
11	976	1,100	2,590	5,400	5,920	5,460	6,740	2,300	2,410	2,980	2,340	1,420
12	935	1,100	2,580	5,500	5,760	5,900	6,620	2,500	3,280	2,760	2,270	1,420
13	904	1,080	2,580	5,500	5,680	6,220	6,020	2,600	4,350	2,590	2,190	1,420
14	880	1,080	2,530	5,400	5,780	6,360	5,740	2,650	6,080	2,420	2,040	1,460
15	876	1,080	2,440	5,300	6,140	6,340	5,540	2,580	6,720	2,230	1,890	1,520
16	865	1,080	2,330	5,200	6,700	6,060	5,100	2,450	7,930	2,240	1,790	1,670
17	857	1,080	2,250	5,000	7,700	5,660	4,700	2,430	9,050	2,340	1,680	1,800
18	854	1,070	2,190	4,700	7,930	5,140	4,150	2,460	8,760	2,240	1,680	1,850
19	854	1,060	2,120	4,600	7,550	4,640	3,690	2,360	8,050	2,150	1,730	1,840
20	857	1,060	2,080	4,400	6,880	4,350	3,640	2,170	7,020	2,200	1,730	1,830
21	860	1,070	2,150	4,300	6,220	4,080	3,260	1,980	6,160	2,250	1,760	1,790
22	863	1,080	2,330	4,100	5,660	3,820	3,080	1,820	5,400	2,250	1,880	1,720
23	854	1,070	2,610	4,000	5,160	3,630	2,950	1,700	5,420	2,300	2,090	1,660
24	854	1,030	3,060	3,900	4,700	3,450	2,860	1,610	5,060	2,430	2,210	1,620
25	911	1,040	3,450	3,400	4,320	3,360	2,760	1,530	4,710	2,610	2,130	1,580
26	980	1,040	3,540	3,400	3,980	3,450	2,660	1,490	4,800	2,570	1,990	1,520
27	1,030	1,070	3,530	3,400	3,720	3,480	2,610	1,480	5,000	2,300	1,830	1,500
28	1,070	1,110	3,360	3,400	3,500	3,450	2,580	1,460	4,570	2,150	1,710	1,470
29	1,130	1,120	3,200	3,900	------	3,410	2,490	1,450	4,530	1,910	1,620	1,440
30	1,150	1,130	3,100	3,900	------	3,600	2,430	1,430	4,640	1,780	1,580	1,420
31	1,150	------	3,060	4,100	------	3,510	------	1,420	------	1,800	1,560	------
TOTAL	[illegible]	[illegible]	79,560	129,000	162,000	132,700	153,780	66,160	140,520	82,920	62,560	45,720
MEAN	963	1,090	2,566	4,170	5,786	4,281	[illegible]	2,134	4,684	2,675	2,018	1,524
MAX	1,150	1,130	3,540	5,500	7,930	6,360	6,860	2,660	9,050	4,400	2,580	1,850
MIN	854	1,030	1,970	2,920	3,500	3,210	2,430	1,420	1,360	1,780	1,560	1,300
CFSM	.56	.63	1.49	2.42	3.36	2.49	2.98	1.24	2.68	1.56	1.17	.89
IN.	.65	.71	1.72	2.79	3.50	2.87	3.33	1.43	3.04	1.79	1.35	.99

CAL YR 1972 TOTAL [illegible] MEAN 2,108 MAX [illegible] MIN 854 CFSM 1.23 IN 16.68
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN 854 CFSM [illegible] IN [illegible]

NOTE.--No gage-height record Jan. 5 to Feb. 5.

EDISTO RIVER BASIN

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, at bridge on county road, 1.1 mi (1.8 km) above Buck Branch and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi² (60.6 km²).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (38 m)(from topographic map).

EXTREMES.--Current year: Maximum discharge, 1,290 ft³/s (36.5 m³/s), June 12, gage height, 6.83 ft (2.082 m); minimum daily, 1.2 ft³/s (0.03 m³/s) Oct. 18.

Period of record: Maximum discharge, 1,290 ft³/s (36.5 m³/s) June 12, 1973, gage height, 6.83 ft (2.082 m); minimum daily, 1.2 ft³/s (0.03 m³/s) Oct. 18, 1972.

REMARKS.--Records good except for periods of no gage height record which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.8	11	27	56	45	157	7.2	2.1	20	6.5	4.2
2	1.7	1.8	9.0	41	282	80	136	7.0	2.0	17	5.6	3.9
3	1.6	1.8	8.4	51	415	80	85	6.8	1.9	15	9.6	3.8
4	1.6	1.8	8.0	43	176	130	82	6.5	1.8	15	12	3.7
5	1.5	1.7	7.4	38	49	120	71	6.0	1.8	20	12	3.8
6	1.5	1.7	40	47	76	100	55	5.8	1.7	25	9.4	3.6
7	1.5	1.8	53	50	65	90	91	5.8	1.8	30	9.4	3.4
8	1.4	2.1	33	101	57	80	415	6.5	2.1	25	8.0	3.2
9	1.3	1.9	26	114	70	70	210	14	3.2	20	6.7	3.1
10	1.3	1.9	22	80	103	60	105	8.8	8.6	20	6.0	4.3
11	1.3	1.9	20	67	116	60	72	6.5	15	17	5.5	3.9
12	1.4	1.9	19	61	129	70	58	6.6	93	15	4.9	3.5
13	1.3	1.9	17	52	120	80	47	6.0	625	13	4.3	3.2
14	1.4	2.2	16	45	150	70	40	6.7	264	11	4.0	3.8
15	1.3	2.2	17	41	425	60	36	5.6	140	10	3.9	3.6
16	1.3	2.2	21	35	555	50	29	5.0	120	10	10	3.2
17	1.3	2.6	19	33	220	45	25	4.7	100	9.0	18	3.1
18	1.2	2.4	17	31	123	40	23	4.2	90	8.6	34	3.0
19	1.3	2.3	16	34	97	35	20	4.0	75	5.8	40	3.0
20	1.4	2.3	15	37	80	30	18	3.9	65	7.0	26	2.9
21	1.4	2.7	11	32	70	29	17	3.7	55	7.2	17	2.9
22	1.4	2.3	61	49	63	36	16	3.5	50	6.7	14	3.0
23	1.3	2.2	60	56	56	33	14	3.1	45	26	12	2.9
24	1.5	2.2	47	45	50	31	13	3.0	45	17	10	2.8
25	1.9	4.9	47	38	45	35	13	3.6	40	14	8.8	2.8
26	1.6	13	47	35	45	43	13	3.1	45	11	8.0	2.8
27	1.6	8.6	36	71	45	42	14	2.8	40	8.6	7.0	2.7
28	3.4	6.3	32	43	45	36	13	2.6	35	7.6	6.2	2.7
29	3.1	5.6	30	120	------	36	11	2.6	30	6.7	5.5	2.7
30	2.1	11	26	70	------	42	10	2.6	30	5.6	4.9	2.6
31	1.9	------	26	62	------	41	------	2.2	------	6.2	4.6	------
TOTAL	49.9	99.0	806.0	1,699	4,060	1,803	1,909	159.9	2,029.0	430.0	331.0	98.1
MEAN	1.61	3.30	26.0	54.8	145	58.2	63.6	5.16	67.6	13.9	10.7	3.27
MAX	3.4	13	61	120	555	130	415	14	625	30	40	4.3
MIN	1.2	1.7	7.4	27	45	29	10	2.2	1.7	5.6	3.9	2.6
CFSM	.07	.14	1.11	2.34	6.20	2.49	2.72	.22	2.89	.59	.46	.14
IN.	.08	.16	1.28	2.70	6.44	2.87	3.03	.25	3.23	.68	.53	.16

CAL YR 1972 TOTAL 6,310.0 MEAN 17.2 MAX 190 MIN 1.2 CFSM .74 IN 10.04
WTR YR 1973 TOTAL 13,461.7 MEAN 36.9 MAX 625 MIN 1.2 CFSM 1.58 IN 21.43

PEAK DISCHARGE (BASE, 150 CFS) NOTE: No gage-height record June 14 to July 17.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-03	0745	6.28	443	6-08	[illegible]	6.11	670
2-15	1800	6.64	910	6-12	2000	6.83	1,290
4-08	2015	5.96	574				

02175000 EDISTO RIVER NEAR GIVHANS, S.C.

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi² (7,070 km²), approximately.

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft (6.236 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--34 years, 2,680 ft³/s (75.90 m³/s), 13.33 in/yr (339 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,500 ft³/s (694 m³/s) June 14, gage height, 15.84 ft (4.828 m); minimum daily, 741 ft³/s (20.99 m³/s), Oct. 20, 21.

Period of record: Maximum discharge, 24,500 ft³/s (694 m³/s) June 14, 1973, gage height, 15.84 ft (4.828 m); minimum, 290 ft³/s (8.21 m³/s) Aug. 16, 1956, gage height, 0.51 ft (0.155 m).
Maximum stage known since at least 1904, 17.5 ft (5.33 m) in February 1925, from investigation by Charleston Commissioners of Public Works, discharge, 24,900 ft³/s (705 m³/s).

REMARKS.--Records good. About 139 ft³/s (3.9 m³/s) a day diverted above station for Charleston water supply during year. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1032: Drainage area. WSP 1303: 1939 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	803	1,060	1,680	3,980	5,120	6,400	5,030	3,210	1,500	5,970	2,120	1,940
2	855	1,050	1,760	3,950	5,260	6,020	5,720	3,040	1,460	5,680	1,990	1,780
3	844	1,040	1,840	3,970	6,690	5,760	6,390	2,930	1,420	5,410	2,020	1,650
4	887	1,030	1,920	4,080	9,090	5,710	6,910	2,850	1,390	5,100	2,150	1,520
5	840	1,020	1,990	4,190	10,300	5,800	7,370	2,770	1,360	4,800	2,500	1,400
6	873	1,000	2,080	4,240	10,800	6,010	7,800	2,700	1,340	4,570	3,470	1,300
7	869	992	2,200	4,230	11,500	6,770	8,240	2,640	1,320	4,370	4,720	1,220
8	873	1,000	2,350	4,220	11,900	7,530	8,660	2,570	1,310	4,150	4,920	1,160
9	883	1,000	2,460	4,330	12,100	8,200	8,790	2,500	1,400	3,890	4,540	1,160
10	887	1,000	2,540	4,600	12,000	8,700	9,020	2,420	1,600	3,660	3,990	1,920
11	890	1,010	2,610	5,030	11,500	8,900	9,450	2,330	2,640	3,530	3,580	2,370
12	887	1,020	2,690	5,320	10,800	9,060	10,000	2,260	11,600	3,540	3,340	2,200
13	859	1,040	2,770	5,480	10,100	8,970	10,400	2,190	20,800	3,460	3,110	1,780
14	827	1,090	2,920	5,560	9,950	8,880	10,800	2,150	24,100	3,220	2,860	1,680
15	793	1,130	2,820	5,590	10,600	8,830	10,000	2,150	21,900	2,970	2,620	1,610
16	782	1,160	2,820	5,590	12,400	8,810	8,550	2,230	18,900	2,790	2,460	1,530
17	764	1,200	2,790	5,550	14,300	8,700	7,410	2,340	17,200	2,670	2,230	1,490
18	757	1,210	2,760	5,400	15,200	8,440	6,990	2,390	16,000	2,490	2,060	1,500
19	750	1,210	2,710	5,310	15,900	8,060	6,360	2,350	15,400	2,410	1,910	1,540
20	741	1,210	2,670	5,160	16,200	7,620	5,780	2,320	14,600	2,360	1,810	1,590
21	741	1,200	2,650	4,890	15,500	7,120	5,220	2,290	13,800	2,290	1,830	1,610
22	747	1,200	2,650	4,410	14,000	6,610	4,600	2,260	12,400	2,290	1,900	1,620
23	757	1,200	2,650	4,240	12,100	6,270	4,250	2,170	11,800	2,320	1,970	1,600
24	757	1,210	2,700	4,290	10,600	5,850	3,880	2,070	11,100	2,300	2,050	1,540
25	761	1,260	2,790	4,270	9,330	5,460	3,580	1,930	9,470	2,330	2,210	1,480
26	778	1,300	2,950	4,230	8,290	5,180	3,530	1,770	7,880	2,420	2,420	1,430
27	820	1,400	3,240	4,200	7,460	4,990	3,470	1,680	6,980	2,550	2,590	1,410
28	918	1,490	3,570	4,230	6,830	4,870	3,900	1,620	6,490	2,650	2,670	1,390
29	988	1,510	3,820	4,410	------	4,790	3,620	1,590	6,300	2,630	2,580	1,340
30	1,000	1,580	3,970	4,880	------	4,770	3,400	1,520	6,190	2,500	2,370	1,290
31	1,040	------	4,010	4,900	------	4,800	------	1,520	------	2,290	2,130	------
TOTAL	26,062	34,992	83,280	144,620	305,610	213,070	199,950	70,710	270,000	103,970	83,120	47,050
MEAN	841	1,166	2,686	4,665	10,910	6,873	6,665	2,281	9,000	3,354	2,681	1,568
MAX	1,040	1,580	4,010	5,590	16,200	9,060	10,800	3,210	24,100	5,970	4,920	2,370
MIN	741	992	1,680	3,950	5,120	4,770	3,400	1,520	1,310	2,290	1,810	1,160

CAL YR 1972 TOTAL 900,663 MEAN 2,461 MAX 11,300 MIN 741
WTR YR 1973 TOTAL 1,582,436 MEAN 4,335 MAX 24,100 MIN 741

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, on right bank 90 ft (27 m) downstream from bridge on U.S. Highway 601, 2.4 mi (3.9 km) downstream from Savannah Creek, 3.1 mi (5.0 km) upstream from Hampton and Branchville Railroad bridge, 3.1 mi (5.0 km) northwest of Miley, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--341 mi² (883 km²).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft (19.614 m) above mean sea level. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft (27 m) upstream at same datum.

AVERAGE DISCHARGE.--22 years, 339 ft³/s (9.600 m³/s), 13.50 in/yr (343 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,240 ft³/s (63.4 m³/s) June 20, gage height, 4.93 ft (1.503 m); minimum daily, 87 ft³/s (2.46 m³/s) Oct. 12.

Period of record: Maximum discharge, 2,340 ft³/s (66.3 m³/s) Sept. 2, 1964 gage height, 4.99 ft (1.521 m); minimum, 17 ft³/s (0.48 m³/s) Sept. 13, 1954.

REMARKS.--Records fair. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	234	460	371	585	508	1,050	502	278	514	410	250
2	125	201	445	400	810	496	1,400	470	272	470	411	232
3	123	185	436	445	1,110	532	1,450	431	234	409	376	221
4	116	176	427	460	1,050	550	1,480	383	208	383	390	213
5	110	166	400	450	1,160	578	1,410	345	186	440	516	207
6	110	161	450	508	1,590	765	1,170	324	176	436	807	205
7	105	163	557	520	1,590	880	1,070	311	188	470	1,560	201
8	101	156	571	542	1,210	934	1,600	314	243	736	1,370	197
9	99	140	[illegible]	704	1,020	1,120	1,500	343	375	880	1,010	196
10	95	156	800	772	1,020	1,300	1,470	391	685	840	755	224
11	90	188	775	900	1,010	1,660	1,420	347	976	902	622	233
12	87	206	700	800	1,060	1,600	1,300	422	1,590	765	441	239
13	91	215	620	738	1,120	1,510	1,160	341	1,560	600	345	281
14	100	235	530	858	1,180	1,260	920	347	1,420	550	323	400
15	104	240	671	542	1,500	1,000	761	361	1,300	500	307	404
16	112	238	631	520	1,710	976	860	336	1,140	440	476	376
17	116	250	561	475	1,620	916	562	290	1,200	400	370	377
18	115	260	[illegible]	438	1,620	830	546	275	1,650	340	413	358
19	112	223	[illegible]	413	1,570	710	516	253	1,370	360	530	330
20	107	218	[illegible]	400	1,350	676	600	[illegible]	2,110	340	444	297
21	108	215	[illegible]	391	1,110	620	670	[illegible]	1,470	308	456	271
22	109	220	510	440	802	610	650	218	1,900	280	484	260
23	106	230	502	448	761	544	631	[illegible]	870	320	438	270
24	114	233	570	470	682	526	611	197	850	380	422	250
25	167	266	452	470	634	510	600	192	880	362	414	220
26	152	365	620	480	606	502	611	192	810	356	363	204
27	176	375	580	498	571	611	605	263	676	511	364	329
28	308	367	544	546	532	830	502	266	636	602	339	470
29	385	450	507	525	------	660	500	266	570	600	285	473
30	370	485	480	613	------	676	526	266	566	563	266	507
31	256	------	480	585	------	761	------	266	------	332	276	------
TOTAL	4,419	7,230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8,696
MEAN	143	241	530	530	1,099	828	889	315	836	489	490	290
MAX	385	485	800	900	1,710	1,660	1,600	502	2,110	902	1,560	507
MIN	87	140	360	371	532	496	500	192	176	280	276	196
CFSM	.42	.71	1.55	1.55	3.22	2.43	2.61	.92	2.45	1.43	1.44	.85
IN.	.48	.79	1.79	1.79	3.36	2.79	2.91	1.06	2.73	1.66	1.66	.95

CAL YR 1972 TOTAL [illegible] MEAN 383 MAX 2,000 MIN 87 CFSM 1.12 IN 15.26
WTR YR 1973 TOTAL [illegible] MEAN 556 MAX 2,110 MIN 87 CFSM 1.63 IN 22.12

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi² (526 km²).

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft (15.331 m) above mean sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--22 years, 186 ft³/s (5.268 m³/s), 12.44 in/yr (316 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,940 ft³/s (54.9 m³/s) June 14, gage height, 5.47 ft (1.667 m); minimum daily 1.2 ft³/s (0.03 m³/s) Oct. 12, 13.

Period of record: Maximum discharge, 8,160 ft³/s (231 m³/s) Sept. 2, 1969 gage height, 8.39 ft (2.557 m), from floodmarks; no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969.

REMARKS.--Records good. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	19	81	190	469	360	1,150	254	44	279	202	58
2	1.9	12	70	245	726	338	1,620	202	33	182	305	54
3	1.8	8.2	72	360	1,150	349	1,290	169	24	166	546	46
4	1.8	6.8	61	429	1,140	377	1,100	149	19	152	830	46
5	1.7	6.0	48	403	920	390	1,030	127	15	182	875	46
6	1.7	5.5	149	349	726	490	866	108	13	310	742	46
7	1.6	5.8	397	327	613	742	726	90	14	332	553	47
8	1.6	7.7	532	423	532	812	965	87	56	231	397	44
9	1.5	8.2	449	637	560	884	1,220	138	429	175	284	42
10	1.4	9.1	327	668	857	1,380	1,010	240	821	190	218	49
11	1.3	11	214	598	1,010	1,370	804	222	1,210	194	172	58
12	1.2	11	156	490	974	1,090	660	166	1,120	159	136	64
13	1.2	9.1	133	410	893	893	553	117	1,070	130	103	62
14	1.4	12	122	360	911	726	476	90	1,790	112	133	120
15	1.6	12	117	321	1,160	621	403	72	1,490	108	284	222
16	1.8	12	122	289	1,260	539	355	58	1,210	89	198	210
17	1.9	22	130	263	1,100	503	310	48	1,110	81	198	141
18	1.8	24	136	240	893	442	279	40	929	87	254	98
19	1.6	23	122	240	751	410	254	32	717	80	295	81
20	1.6	24	112	254	644	366	227	29	701	79	259	65
21	1.5	21	125	250	560	332	206	26	726	65	186	58
22	1.6	17	218	338	503	305	182	23	605	58	214	54
23	1.7	15	410	456	456	284	162	19	582	61	490	62
24	1.9	13	476	436	416	259	144	17	575	105	456	59
25	2.3	29	434	371	377	273	133	16	469	96	305	44
26	2.7	67	397	310	371	403	152	17	532	74	222	37
27	3.8	92	330	321	384	483	284	32	660	65	156	64
28	9.1	96	289	423	384	442	476	46	483	240	115	125
29	7.7	85	245	644	------	386	462	61	423	236	92	172
30	12	81	210	644	------	397	363	76	384	130	79	149
31	22	------	196	560	------	560	------	58	------	127	67	------
TOTAL	98.9	764.4	6,897	12,249	20,740	17,224	17,862	2,829	18,254	4,575	9,366	2,423
MEAN	3.19	25.5	222	395	741	556	595	91.3	608	148	302	80.8
MAX	22	96	532	668	1,260	1,380	1,620	254	1,790	332	875	222
MIN	1.2	5.5	48	190	371	259	133	16	13	58	67	37
CFSM	.02	.13	1.09	1.95	3.65	2.74	2.93	.45	3.00	.73	1.49	.40
IN.	.02	.14	1.26	2.24	3.80	3.16	3.27	.52	3.35	.84	1.72	.44

CAL YR 1972 TOTAL 66,996.3 MEAN 183 MAX 1,580 MIN 1.2 CFSM .90 IN 12.28
WTR YR 1973 TOTAL 113,282.3 MEAN 310 MAX 1,790 MIN 1.2 CFSM 1.53 IN 20.76

02177000 Chattooga River near Clayton, Ga.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi^2 (536 km^2).

PERIOD OF RECORD.--Discharge: May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

AVERAGE DISCHARGE.--34 years (1939-73), 636 ft^3/s (18.0 m^3/s), 41.72 in/yr (1,060.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,600 ft^3/s (555 m^3/s) May 28, gage height, 10.74 ft (3.274 m); minimum, 248 ft^3/s (7.02 m^3/s) Oct. 18, gage height, 1.20 ft (0.366 m).
Period of record: Maximum discharge, 29,000 ft^3/s (821 m^3/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft^3/s (133 m^3/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft^3/s (2.49 m^3/s) Oct. 8, 12, 13, 1954.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1383: 1940-41, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	510	470	732	1,160	1,140	876	2,370	1,200	1,510	781	889	408
2	376	452	671	1,000	4,870	876	1,740	1,160	1,400	799	715	389
3	336	841	643	1,000	2,470	1,310	1,530	1,210	1,320	860	652	381
4	318	664	624	1,450	1,760	1,220	1,470	1,150	1,240	890	560	373
5	800	562	620	1,160	1,540	1,690	1,360	1,070	1,570	749	525	452
6	564	509	1,070	1,080	1,460	1,410	1,290	1,030	1,510	707	506	408
7	402	544	979	1,000	1,370	1,460	1,640	1,010	1,400	699	1,020	399
8	350	1,410	817	1,020	1,460	2,050	2,020	2,520	1,250	880	759	404
9	312	854	829	901	1,480	1,650	1,580	2,300	1,230	858	673	389
10	294	711	814	850	1,330	1,470	1,450	1,590	1,190	717	574	499
11	282	644	803	820	1,240	1,560	1,350	1,430	1,170	687	559	394
12	282	593	769	790	1,180	2,080	1,290	1,290	1,090	648	541	366
13	306	568	747	763	1,140	1,590	1,240	1,210	1,260	623	515	374
14	306	1,150	853	745	1,430	1,420	1,190	1,150	1,200	636	516	638
15	276	874	3,630	745	1,540	1,330	1,150	1,110	1,270	750	561	469
16	259	732	2,190	736	1,290	2,060	1,130	1,080	1,240	640	476	400
17	259	672	1,390	727	1,190	4,420	1,140	1,070	1,100	648	751	399
18	318	630	1,180	736	1,140	2,510	1,160	1,010	1,030	619	869	633
19	465	804	1,060	901	1,100	2,080	1,480	990	1,020	600	663	438
20	306	1,460	1,030	870	1,060	1,880	1,450	1,130	1,090	584	582	394
21	270	951	1,880	790	1,030	1,690	1,260	979	1,160	569	539	382
22	259	818	2,440	2,120	997	1,510	1,180	939	1,120	569	502	370
23	288	744	1,690	1,450	969	1,380	1,140	913	1,000	669	484	369
24	409	693	1,400	1,180	937	1,320	1,100	1,210	932	647	471	357
25	324	722	1,290	1,060	913	1,630	1,480	1,030	869	662	466	351
26	309	1,010	1,180	1,090	915	1,740	1,510	949	854	782	451	331
27	382	799	1,090	1,580	1,010	1,470	1,990	1,110	845	888	436	368
28	1,360	734	1,020	1,270	910	1,350	1,600	8,590	1,060	673	427	439
29	770	710	956	1,150	------	1,320	1,380	2,860	954	592	415	397
30	585	719	912	1,050	------	1,370	1,270	2,030	821	552	410	379
31	509	------	1,010	1,000	------	1,860	------	1,650	------	545	411	------
TOTAL	12,786	23,044	36,319	32,194	38,871	51,582	42,940	47,970	34,705	21,523	17,918	12,350
MEAN	412	768	1,172	1,039	1,388	1,664	1,431	1,547	1,157	694	578	412
MAX	1,360	1,460	3,630	2,120	4,870	4,420	2,370	8,590	1,570	890	1,020	638
MIN	259	452	620	727	910	876	1,100	913	821	545	410	331
CFSM	1.99	3.71	5.66	5.02	6.71	8.04	6.91	7.47	5.59	3.35	2.79	1.99
IN.	2.30	4.14	6.53	5.79	6.99	9.27	7.72	8.62	6.24	3.87	3.22	2.22

CAL YR 1972 TOTAL 269,510 MEAN 736 MAX 3,630 MIN 259 CFSM 3.56 IN 48.43
WTR YR 1973 TOTAL 372,202 MEAN 1,020 MAX 8,590 MIN 259 CFSM 4.93 IN 66.89

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1445	5.51	6,300	3-17	0215	5.67	6,660
12-21	2215	4.09	3,630	5-8	1800	4.67	4,600
2-2	0530	6.14	7,620	5-28	0515	10.74	19,600

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, on downstream side of bridge on State Highway 11, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi² (186.5 km²).

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (247 m)(from topographic map).

AVERAGE DISCHARGE.--6 years, 177 ft³/s (5.013 m³/s), 33.38 in/yr (848 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,300 ft³/s (348 m³/s), May 28, gage height, 11.39 ft (3.472 m); minimum, 66 ft³/s (1.87 m³/s) Oct. 6, 19, 23, 24, Nov. 2, 6, 7, 12, 18, 19.

Period of record: Maximum discharge, 14,400 ft³/s (408 m³/s) June 4, 1967, gage height, 12.29 ft (3.746 m); minimum, 15 ft³/s (0.42 m³/s) July 11-20, Oct. 3-8, 1970.

REMARKS.--Records good, except those for periods of no gage-height record which are poor. Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	115	[illegible]	144	[illegible]	[illegible]	417	256	321	146	248	106
2	76	110	[illegible]	174	1,440	[illegible]	455	265	244	140	224	104
3	76	147	76	144	444	260	412	250	275	146	190	106
4	76	124	[illegible]	264	[illegible]	400	471	242	260	143	156	106
5	143	115	[illegible]	224	245	500	430	220	260	154	155	106
6	103	96	[illegible]	212	245	361	417	226	244	153	147	106
7	82	141	[illegible]	226	256	272	471	220	244	155	228	106
8	98	205	[illegible]	246	256	475	542	674	264	162	220	106
9	72	147	[illegible]	240	275	[illegible]	415	645	250	154	174	103
10	76	124	[illegible]	242	255	236	405	357	245	155	159	106
11	74	123	[illegible]	226	221	310	410	325	264	153	164	110
12	74	94	[illegible]	226	242	615	415	245	250	147	162	99
13	74	111	147	216	226	245	[illegible]	260	245	135	153	105
14	74	276	153	216	[illegible]	260	[illegible]	242	256	147	153	179
15	76	155	[illegible]	216	450	256	270	216	272	154	155	118
16	72	124	[illegible]	215	240	606	275	226	265	159	138	108
17	72	118	[illegible]	216	270	[illegible]	275	220	266	204	216	123
18	110	92	[illegible]	216	255	650	272	212	216	154	204	150
19	110	176	[illegible]	216	251	376	301	212	220	153	172	113
20	66	296	212	208	255	316	300	266	220	150	156	108
21	62	162	400	188	255	321	272	212	212	134	141	106
22	61	136	66	420	250	300	266	208	220	159	128	103
23	[illegible]	124	[illegible]	246	250	302	255	200	232	140	130	101
24	104	114	407	220	251	356	252	312	220	159	124	99
25	82	136	266	220	258	344	410	262	206	159	128	97
26	66	150	[illegible]	248	261	645	421	265	190	142	128	92
27	126	138	[illegible]	454	275	361	470	602	193	276	123	95
28	216	126	266	268	259	357	415	5,360	183	143	118	103
29	144	120	193	268	------	300	255	722	200	159	113	101
30	126	126	[illegible]	220	------	357	264	431	200	141	110	99
31	126	------	169	212	------	676	------	370	------	134	108	------
TOTAL	2,666	[illegible]	[illegible]	7,441	9,144	11,640	10,513	14,342	7,956	5,151	[illegible]	3,264
MEAN	86.0	141	[illegible]	240	326	375	350	463	265	166	161	109
MAX	216	276	[illegible]	454	1,440	1,610	[illegible]	5,360	321	276	248	179
MIN	70	92	76	170	221	236	[illegible]	200	190	134	108	92
CFSM	1.20	1.96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.31	2.24	1.51
IN.	1.38	2.20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.66	2.58	1.69

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

PEAK DISCHARGE (BASE, 1,500 CFS) NOTE: No gage-height record Jan. 4 to Feb. 14.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-15	1245	5.86	3,410	3-17	0045	4.80	2,200
12-21	1815	4.97	1,600	5-28	0615	11.39	12,300
2-02	0230	4.91	3,610				

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.) - Anderson County (S.C.), Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, and at mile 305.0 (490.7 km).

DRAINAGE AREA.--2,088 mi² (5,408 km²).

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

EXTREMES.--Current year: Maximum elevation, 664.08 ft (202.412 m) Apr. 11; minimum, 656.02 ft (199.955 m) Oct. 27.

Period of record: Maximum elevation, 665.47 ft (202.835 m) Apr. 8, 1964; minimum, 626.70 ft (191.018 m) Oct. 16, 1961.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 ft³ (2,108,000,000 m³) between elevations 625.0 ft (190.50 m)(normal limit of drawdown) and 665 ft (202.7 m)(top of spillway gates). Dead storage below 625.0 ft (190.50 m), 49,400,000,000 ft³ (1,339,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

Capacity table [elevation, in feet (and meters) and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Computed from table prepared by Corps of Engineers)

655.0 ft (199.64 m)	50.02 ft³ (1,417.0 m³)
660.0 ft (201.17 m)	61.66 ft³ (1,746.0 m³)
665.0 ft (202.69 m)	74.43 ft³ (2,108.0 m³)

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656.52	656.27	656.7	658.10	658.29	658.13	661.31	660.76	662.52	660.40	660.31	659.19
2	656.56	656.23	656.80	657.82	659.14	657.97	661.52	660.55	662.64	660.31	660.27	659.24
3	656.61	656.22	656.83	657.60	659.50	658.14	661.64	660.36	662.85	660.18	660.29	659.27
4	656.53	656.28	656.65	657.26	659.78	658.32	661.88	660.06	662.83	660.23	660.34	659.38
5	656.70	656.13	656.52	656.89	659.83	658.47	661.97	660.17	662.75	660.09	660.39	659.25
6	656.79	656.10	656.4	657.09	659.95	658.59	662.10	660.26	662.68	659.86	660.31	659.23
7	656.74	656.12	656.21	657.33	660.01	658.69	662.94	660.35	662.50	659.97	660.27	659.19
8	656.77	656. 8	656.1	657.46	660.13	658.76	663.34	660.63	662.32	660.06	660.34	659.27
9	656.74	656. 5	656.22	657.48	660.19	658.93	663.61	660.87	662.50	660.14	660.35	659.31
10	656.70	656. 2	656.31	657.50	660.33	659.01	663.82	660.78	662.67	660.16	660.38	659.33
11	656.62	656. 2	656.2	657.42	660.51	659.31	664.05	660.79	662.51	660.29	660.25	659.30
12	656.53	656. 4	656.21	657.32	660.43	659.26	663.86	660.94	662.29	660.25	660.32	659.20
13	656.49	656. 7	656.2	657.48	660.30	659.22	663.67	661.09	662.04	660.30	660.21	659.24
14	656.57	656. 1	656.32	657.60	660.28	659.18	663.41	661.09	661.66	660.45	660.27	660.33
15	656.54	656. 3	657.63	657.41	660.19	659.14	663.55	660.96	661.36	660.57	660.25	660.49
16	656.45	656. 6	657.95	657.25	660.01	659.97	663.19	660.88	661.48	660.47	660.27	660.56
17	656.43	656. 6	658.14	657.10	659.92	660.40	662.80	660.80	661.71	660.53	660.29	660.48
18	656.36	656. 7	658.04	656.83	660.08	660.70	662.44	660.72	661.53	660.38	660.43	660.37
19	656.24	656. 5	657.93	656.55	659.98	660.89	662.07	660.99	661.23	660.23	660.48	660.33
20	656.27	656. 7	657.87	656.70	659.74	661.11	661.62	661.25	660.80	660.23	660.34	660.22
21	656.32	656. 9	658.36	656.89	659.69	661.68	661.79	661.23	660.52	660.30	660.17	659.95
22	656.33	656. 8	658.6	657.13	659.12	661.42	661.95	661.20	660.09	660.36	659.96	660.03
23	656.31	656. 6	658.7	657.21	658.71	661.22	661.68	661.18	660.29	660.31	659.80	660.13
24	656.28	656. 9	658.8	657.22	658.81	661.32	661.67	661.28	660.49	660.26	659.71	659.94
25	656.29	657. 3	658.97	657.29	658.93	661.65	661.31	661.17	660.56	660.26	659.78	659.78
26	656.11	657. 3	658.73	657.51	658.78	661.44	661.03	661.40	660.46	660.22	659.79	659.60
27	656.26	657. 2	658.63	657.78	658.58	660.99	660.72	661.57	660.37	660.21	659.70	659.59
28	656.30	656. 7	658.16	658.00	658.36	660.57	660.92	663.38	660.35	660.30	659.60	659.48
29	656.43	656. 4	657.86	657.91	------	660.19	661.11	663.53	660.21	660.39	659.59	659.52
30	656.37	656. 3	657.94	657.98	------	659.73	660.99	663.23	660.32	660.35	659.35	659.64
31	656.39	------	658.13	658.02	------	660.60	------	662.85	------	660.32	659.10	------
MEAN	656.47	656.1	657.42	657.39	659.62	659.81	662.26	661.17	661.55	660.27	660.10	659.70
MAX	656.70	657.1	658.97	658.10	660.51	661.65	664.05	663.53	662.85	660.57	660.48	660.56
MIN	656.11	656.1	656.10	656.55	658.29	657.97	660.72	660.06	660.09	659.86	659.10	659.19
(Y)	52.96	[illegible]	57.10	56.92	57.73	63.14	64.10	68.79	62.45	62.45	59.68	60.78
(Z)	-170	+66	+1,154	-97	+335	+2,020	+370	+1,751	-2,466	0	-1,034	+428

CAL YR 1972 0 143 MAX 661.77 MIN 656.10
WTR YR 1973 0 136 MAX 664.05 MIN 656.10

(Y) Contents, in billions of cubic feet, at end of month.
(Z) Change in contents, equivalent in cubic feet per second.

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi² (5,778 km²).

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--24 years, 4,247 ft³/s (120 m³/s), 25.85 in/yr (657 mm/yr).

EXTREMES.--Current year: Maximum discharge, 32,000 ft³/s (906 m³/s) Dec. 15, gage height 8.57 ft (2.612 m); minimum, 268 ft³/s (7.59 m³/s) Oct. 2, 9; minimum daily 277 ft³/s (7.84 m³/s) Oct. 8, 22.
Period of record: Maximum discharge, 54,400ft³/s(1,540 m³/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m) minimum, 76ft³/s(2.12 m³/s) Oct. 24, 1961; minimum daily, 78ft³/s(2.21 m³/s) Oct. 23, 24, 1961.

REMARKS.--Records fair. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see sta 02187250). Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	3,880	7,320	1,610	3,880	10,300	3,640	11,600	19,400	826	5,270	1,150
2	494	3,880	1,360	3,580	8,630	10,400	4,640	11,600	3,180	7,120	5,860	1,130
3	549	3,910	330	9,310	1,980	1,610	4,740	12,300	513	9,940	3,610	1,090
4	3,850	1,190	7,560	14,900	750	494	4,710	13,200	9,220	1,890	1,090	6,400
5	2,170	286	7,920	16,500	3,940	4,360	4,670	1,170	13,400	9,620	1,130	6,160
6	2,130	4,420	8,540	1,680	4,210	5,580	4,570	431	16,100	9,980	5,340	5,970
7	488	5,230	8,680	488	4,210	5,720	1,940	4,060	16,000	1,150	6,960	6,120
8	277	5,270	8,900	8,720	4,180	5,720	2,700	4,450	13,700	788	3,850	3,300
9	1,940	4,710	1,390	7,040	4,640	5,690	4,780	7,860	4,360	5,620	3,670	520
10	2,930	4,150	346	6,800	3,030	1,500	5,690	9,220	856	4,920	3,130	1,740
11	3,730	950	3,910	6,560	426	527	5,550	8,410	13,700	1,730	6,680	3,710
12	4,710	300	5,300	7,640	8,680	10,500	11,500	898	13,400	4,240	1,530	5,700
13	4,850	4,920	4,880	1,590	9,130	9,310	11,500	507	16,300	1,710	6,360	3,740
14	750	6,040	5,300	475	9,220	8,950	13,300	6,800	17,600	908	4,480	7,550
15	300	4,850	13,100	8,140	9,220	8,720	1,960	7,120	17,900	962	4,740	1,660
16	3,380	4,880	6,600	8,680	12,800	9,130	16,400	7,120	5,510	6,200	1,980	539
17	3,850	4,600	2,450	8,270	7,000	6,360	17,900	7,120	1,270	3,670	3,940	5,240
18	3,850	919	8,590	11,000	1,760	1,160	17,600	7,000	13,100	8,140	1,960	5,470
19	3,850	357	10,300	12,800	11,000	5,200	17,400	1,090	14,000	9,410	1,300	3,090
20	4,210	5,340	9,310	2,430	11,900	4,680	18,300	877	18,100	3,550	7,440	5,180
21	362	5,720	10,500	496	11,700	3,910	2,700	6,640	18,100	845	7,440	9,630
22	277	6,240	10,100	5,130	14,300	12,700	507	7,320	18,200	973	7,400	883
23	3,670	2,730	2,410	4,640	15,900	15,400	12,300	8,680	1,590	6,640	6,360	363
24	3,910	4,490	676	4,410	1,590	3,430	13,700	9,490	742	5,300	4,780	7,400
25	3,840	1,260	1,410	2,900	429	583	13,600	9,310	6,840	4,880	1,470	7,220
26	3,960	468	8,560	2,650	4,710	12,800	13,500	1,550	7,040	5,880	1,160	4,060
27	3,960	4,560	6,280	1,220	10,300	19,200	16,300	1,190	8,630	4,190	4,500	5,440
28	807	7,000	5,020	663	10,300	19,600	2,150	8,630	10,700	971	10,600	5,460
29	351	7,160	5,020	6,320	------	19,600	481	17,500	8,950	1,180	8,720	631
30	4,950	4,410	3,100	5,130	------	19,700	11,100	19,400	1,300	5,860	8,320	327
31	4,000	------	1,050	4,270	------	3,700	------	18,400	------	4,810	7,120	------
TOTAL	78,686	120,550	176,190	176,420	195,111	246,136	259,520	231,123	309,901	132,875	152,190	117,233
MEAN	2,538	4,018	5,684	5,691	6,968	7,940	8,651	7,456	10,330	4,286	4,909	3,908
MAX	4,950	7,160	13,100	16,500	15,900	19,700	18,300	19,600	19,600	9,980	10,600	9,630
MIN	277	286	330	475	426	494	481	431	513	788	1,090	327

CAL YR 1972 TOTAL 1,693,204 MEAN 4,626 MAX 21,200 MIN 277
WTR YR 1973 TOTAL 2,195,935 MEAN 6,016 MAX 19,700 MIN 277

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi² (7,449 km²).

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) above mean sea level. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at datum about 369.0 ft (112.47 m) above mean sea level.

AVERAGE DISCHARGE.--38 years (1896-97, 1899-1900, 1930-31, 1938-73), 5,126 ft³/s (145.2 m³/s), 24.20 in/yr (615 mm/yr).

EXTREMES.--Current year: Maximum discharge, 43,400 ft³/s (1,230 m³/s) Dec. 16, gage height 6.80 ft (2.073 m); minimum daily, 478 ft³/s (13.5 m³/s) Oct. 22.

Period of record: Maximum discharge 96,500 ft³/s (2,730 m³/s), Aug. 13, 1940 gage height, 11.52 ft (3.511 m), from rating curve above 50,000 ft³/s (1,420 m³/s) by velocity-area studies; minimum daily 300 ft³/s (8.50 m³/s) Nov. 5, 1961.

The flood of Aug. 25, 1908 reached a stage of 28.2 ft (8.60 m) at original site and datum, from records of National Weather Service, discharge, 144,000 ft³/s (4,080 m³/s). from rating curve extended above 14,000 ft³/s (396 m³/s).

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see Sta 02187250). Records of chemical analyses are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	819	3,960	8,550	3,600	5,080	11,700	21,500	13,200	22,000	1,470	6,870	3,070
2	722	4,000	4,920	10,700	12,800	11,700	8,920	12,700	9,940	6,030	5,990	1,330
3	890	3,950	782	13,700	8,800	6,200	5,900	12,900	2,080	9,730	9,010	1,170
4	2,690	3,800	4,800	16,800	3,300	1,300	6,400	14,800	11,600	5,570	2,520	4,840
5	2,300	639	8,740	18,400	2,700	3,560	6,150	5,700	14,900	8,110	1,430	6,810
6	2,150	1,240	9,580	9,140	5,400	6,500	6,750	1,090	17,600	10,900	3,960	6,400
7	2,000	5,450	10,200	1,530	5,240	8,090	5,160	3,480	19,400	4,190	8,090	6,340
8	779	5,700	10,200	6,350	5,240	6,950	7,460	4,440	17,100	1,310	4,190	4,690
9	710	5,450	5,800	9,040	5,650	6,800	5,700	8,200	8,620	4,300	4,150	2,160
10	2,480	4,480	842	8,740	5,800	4,180	8,560	11,000	3,590	6,070	3,840	729
11	3,520	3,880	1,560	8,080	2,340	1,020	6,800	9,040	11,300	3,030	5,930	3,410
12	4,760	722	5,800	10,400	6,450	11,700	11,000	3,440	15,400	4,050	4,210	5,690
13	5,120	1,620	5,450	3,720	10,700	12,100	13,400	1,220	19,300	2,930	4,110	4,630
14	2,900	6,900	5,800	1,620	11,000	10,800	14,800	5,000	20,300	2,120	6,300	8,590
15	466	6,300	27,600	4,880	11,100	10,200	7,450	7,850	20,500	1,500	5,350	11,100
16	1,570	5,040	15,300	10,400	13,800	10,300	13,200	7,800	10,500	4,670	2,930	2,790
17	3,920	5,200	9,580	10,100	11,000	19,600	20,100	7,850	3,370	5,220	3,460	4,090
18	3,920	4,120	7,550	12,400	4,320	8,240	20,000	7,850	10,400	7,670	3,880	6,420
19	3,920	462	12,900	14,900	8,080	6,800	19,700	3,740	15,100	9,150	1,820	4,310
20	5,550	2,930	12,500	8,020	13,400	6,500	20,500	1,460	20,300	5,740	4,150	5,530
21	1,240	6,400	17,500	1,560	13,300	4,920	8,380	5,700	20,400	2,050	8,700	9,780
22	478	6,500	18,800	4,320	15,600	11,500	1,320	8,140	20,500	1,190	8,080	4,400
23	2,580	5,170	9,220	6,550	17,500	18,200	9,400	8,420	7,210	5,770	6,560	[illegible]
24	3,880	3,640	2,680	5,750	7,600	9,500	15,100	11,900	1,620	6,530	5,050	5,430
25	3,660	4,250	2,240	5,800	1,100	2,050	15,100	11,400	6,090	6,050	3,750	8,570
26	3,680	1,060	8,680	3,370	6,650	9,160	15,100	5,400	7,960	6,100	1,370	6,050
27	3,900	6,000	14,600	3,400	11,000	21,200	10,900	2,050	6,050	5,840	6,610	5,530
28	1,920	8,020	14,400	1,960	11,700	22,900	7,900	12,700	12,300	2,690	10,800	6,010
29	776	[illegible]	16,300	3,900	------	22,300	1,770	30,400	11,200	1,310	10,800	3,290
30	1,570	[illegible]	7,600	7,350	------	22,900	9,360	26,100	6,050	5,300	9,350	[illegible]
31	[illegible]	------	1,620	5,000	------	15,200	------	22,200	------	5,360	9,020	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	478	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	729

CAL YR 1972 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]
WTR YR 1973 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible]

02194500 CLARK HILL LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.) - McCormick County (S.C.), Ga.-S.C. State line, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kiokee Creek, and at mile 237.7 (382.5 km).

DRAINAGE AREA.--6,150 mi² (15,900 km²), approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation 333.57 ft (101.672 m) Apr. 10; minimum, 323.15 ft (98.496 m) Nov. 27.

Period of record: Maximum elevation, 336.72 ft (102.632 m) Apr. 9, 1964; minimum, 296.48 ft (90.367 m) Feb. 1, 1956.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 ft³ (2,134,000,000 m³) between elevations 305.0 ft (92.96 m)(normal limit of drawdown) and 335.0 ft (102.11 m)(top of spillway gates). Dead storage below 305.0 ft (92.96 m), 50,960,000,000 ft³ (1,443,000,000 m³). Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation.

REVISIONS (WATER YEARS).--WSP 1703: 1953.

Capacity table [elevation, in feet (and meters), and usable contents, in billions of cubic feet (and millions of cubic meters)]
(Computed from table prepared by Corps of Engineers)

315.0 ft	(96.01 m)	18.73 ft³	(530.4 m³)
320.0 ft	(97.54 m)	30.06 ft³	(851.3 m³)
325.0 ft	(99.06 m)	43.12 ft³	(1,221.0 m³)
330.0 ft	(100.58 m)	58.37 ft³	(1,653.0 m³)
336.0 ft	(102.41 m)	78.84 ft³	(2,233.0 m³)

ELEVATION, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	--------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	--------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	--------	[illegible]	[illegible]	--------	[illegible]	--------	[illegible]	--------	[illegible]	[illegible]	--------
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", Edgefield County, on left bank at bridge on State Highway 23, 1.4 mi (2.3 km) east of Modoc, and 3.2 mi (5.1 km) downstream from Turkey Creek.

DRAINAGE AREA.--545 mi² (1,412 km²).

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 197.34 ft (60.149 m) above mean sea level (levels by Southeastern Power Administration). Oct. 15, 1929, to Sept. 30, 1931, nonrecording gage at site 1,100 ft (340 m) upstream at different datum.

AVERAGE DISCHARGE.--34 years (1930-31, 1940-73), 411 ft³/s (11.64 m³/s) 10.24 in/yr (260 mm/yr).

EXTREMES.--Current year: Maximum discharge,14,100 ft³/s (399 m³/s) Apr. 1, gage height 27.92 ft (8.510 m); minimum daily, 9.5 ft³/s (0.269 m³/s) Oct. 22.

Period of record: Maximum discharge, 35,100 ft³/s (994 m³/s) Aug. 14, 1940; maximum gage height, 41.08 ft (12.521 m) Aug. 14, 1940; no flow Sept. 14, 15, Sept. 24 to Nov. 16, Nov. 22, 1954.

REMARKS.--Records good except those for periods of no gage-height record which are poor. Slight diurnal fluctuation during low flow caused by small mills above station Records of chemical analyses are published in part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1032: Drainage area. WSP 1533: 1954(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	22	43	183	443	370	13,200	273	300	363	80	30
2	26	24	41	205	8,370	350	5,950	255	240	273	200	28
3	26	18	43	205	10,400	680	1,410	213	200	1,440	468	30
4	23	14	40	283	2,470	1,020	768	210	180	505	293	34
5	25	16	36	353	820	2,610	661	200	119	295	175	20
6	19	19	143	430	646	2,600	490	200	141	225	141	32
7	14	20	355	658	490	2,170	2,780	200	1,230	190	368	28
8	12	19	196	2,480	448	1,080	12,200	200	460	310	210	27
9	20	30	121	1,300	710	738	4,430	200	673	365	130	33
10	16	65	87	742	815	643	1,180	200	6,780	195	101	54
11	14	40	74	700	740	667	715	200	3,000	450	87	47
12	12	30	65	975	795	7,560	592	200	1,880	1,060	80	54
13	17	28	61	712	715	2,340	493	220	1,590	295	77	57
14	14	27	678	514	2,050	975	450	350	2,270	183	65	1,010
15	12	27	1,290	499	3,740	683	403	450	3,310	152	59	288
16	16	58	1,846	742	1,470	559	370	300	3,000	154	57	130
17	21	41	736	682	730	2,970	355	280	1,400	139	59	79
18	16	32	268	547	580	2,090	343	280	631	139	59	58
19	17	30	185	658	485	763	333	600	380	121	68	47
20	17	43	156	895	440	589	313	550	935	108	74	44
21	14	89	190	568	423	649	303	450	2,130	103	67	40
22	9.5	89	3,440	752	418	652	288	300	2,410	96	57	37
23	9.8	55	4,240	1,220	410	508	273	600	5,260	89	51	36
24	16	39	1,590	692	399	453	702	1,100	3,710	715	49	36
25	15	38	667	425	378	423	870	800	910	375	46	36
26	11	51	410	363	358	470	496	500	514	168	45	32
27	17	119	323	975	360	445	730	450	358	132	46	37
28	21	92	260	1,250	375	378	692	1,500	355	114	36	43
29	22	61	218	2,620	------	343	363	1,300	2,180	103	38	49
30	26	49	195	985	------	664	300	600	725	94	35	50
31	29	------	180	607	------	5,370	------	400	------	91	31	------
TOTAL	539.3	1,285	18,177	24,220	40,486	41,812	52,453	13,581	47,271	9,042	3,352	2,526
MEAN	17.4	42.8	586	781	1,446	1,349	1,748	438	1,576	292	108	84.2
MAX	29	119	4,240	2,620	10,400	7,560	13,200	1,500	6,780	1,440	468	1,010
MIN	9.5	14	36	183	358	343	273	200	119	89	31	20
CFSM	.03	.08	1.08	1.43	2.65	2.48	3.21	.80	2.89	.54	.20	.15
IN.	.04	.09	1.24	1.65	2.76	2.85	3.58	.93	3.23	.62	.23	.17

CAL YR 1972 TOTAL 162,629.3 MEAN 444 MAX 11,200 MIN 9.5 CFSM .81 IN 11.10
WTR YR 1973 TOTAL 254,744.3 MEAN 698 MAX 13,200 MIN 9.5 CFSM 1.28 IN 17.39

PEAK DISCHARGE (BASE, 6,000 CFS) NOTE: No gage-height record May 4 to June 5.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-03	0530	26.54	12,600	4-08	1500	26.90	13,000
3-12	1700	21.77	8,220	6-10	2000	22.23	8,610
4-01	1500	27.92	14,100	6-23	1730	19.63	6,540

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 203.0 (326.6 km).

DRAINAGE AREA.--7,508 mi² (19,446 km²), including that of Butler Creek.

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.438 m) above mean sea level (Corps of Engineers bench mark). Oct. 1, 1883, to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.108 m) above mean sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.870 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

AVERAGE DISCHARGE.--66 years, 10,180 ft³/s (288 m³/s), 18.41 in/yr (468 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,200 ft³/s (1,140 m³/s) Apr. 8, gage height, 21.63 ft (6.593 m); minimum daily, 5,460 ft³/s (155 m³/s) Dec. 5.

Period of record: Maximum discharge, 350,000 ft³/s (9,910 m³/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft³/s (18.4 m³/s) Sept. 24, 1939, from rating curve extended below 1,400 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (29.5 m³/s) Oct. 2, 1927.

Maximum flood known occurred in 1796, discharge 360,000 ft³/s (10,200 m³/s) (gage height, 40 ft (12.2 m), marked by local residents, at site and datum of Fifth Street gage) by conveyance-slope study.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,880	6,450	5,860	19,000	19,700	11,900	21,700	15,100	30,000	12,700	6,380	6,380
2	6,640	6,590	6,070	22,000	23,300	11,400	30,000	15,500	27,600	10,100	7,010	6,200
3	6,620	6,540	6,120	24,000	22,700	11,000	31,300	15,200	23,700	11,700	9,410	5,910
4	6,480	6,530	5,940	23,000	21,300	8,690	30,400	13,000	20,800	11,300	10,200	5,740
5	6,380	6,450	5,460	18,000	18,100	8,500	30,100	9,780	22,200	10,500	9,010	6,180
6	6,540	6,470	6,220	15,000	20,900	11,400	29,800	6,900	22,700	9,700	7,200	6,480
7	6,870	6,400	6,700	14,000	20,600	19,500	30,000	6,770	24,100	9,410	8,270	6,220
8	6,690	6,490	6,770	13,000	20,400	15,200	38,100	6,840	24,800	7,410	9,440	6,670
9	6,550	6,460	6,660	15,000	20,700	12,400	33,300	7,490	24,800	7,640	9,830	6,180
10	6,470	6,520	6,600	18,000	22,200	12,900	33,100	8,640	24,400	7,530	8,980	6,130
11	6,540	6,460	6,200	19,000	21,400	11,800	31,500	10,900	18,500	7,330	8,910	6,070
12	6,660	6,310	5,800	19,000	19,900	14,300	31,400	10,500	23,500	7,560	6,570	6,240
13	6,710	6,290	5,800	18,000	20,500	19,200	31,500	9,380	28,000	8,750	6,050	6,290
14	6,970	6,090	5,800	14,000	21,300	19,500	30,800	9,210	29,000	7,650	6,120	7,110
15	6,750	6,340	6,600	13,000	25,900	17,200	29,800	9,260	26,200	7,180	7,610	7,760
16	6,430	6,380	8,500	15,000	23,500	16,500	30,300	9,290	27,900	7,010	8,550	6,580
17	6,180	6,300	11,000	17,000	20,100	19,900	30,500	9,120	24,400	6,770	8,540	6,310
18	6,540	6,300	16,000	18,000	20,800	22,800	29,000	9,370	21,600	6,810	7,590	6,250
19	6,810	6,300	16,000	13,000	19,200	24,900	27,100	8,180	24,900	6,850	6,750	6,200
20	6,840	6,450	14,000	9,800	19,300	29,300	24,300	6,870	25,200	6,840	6,450	6,190
21	6,790	6,240	16,000	7,000	19,400	30,000	20,300	6,720	25,200	6,920	6,520	6,360
22	6,480	6,870	22,000	7,600	19,100	30,300	16,500	7,520	23,100	6,810	6,650	6,620
23	6,310	5,850	26,000	8,600	15,900	28,800	14,900	9,000	21,100	6,570	7,000	6,230
24	6,260	5,920	20,000	8,500	13,600	25,900	15,400	9,740	18,500	7,010	7,070	6,080
25	6,330	6,240	19,000	7,240	11,000	23,800	16,400	9,140	15,900	7,100	6,620	5,770
26	6,380	6,680	21,000	8,750	10,500	19,200	19,600	9,100	18,100	7,250	6,260	6,030
27	6,420	6,670	22,000	17,200	11,200	21,200	19,100	8,980	18,300	7,010	6,300	6,320
28	6,680	6,260	22,000	14,600	11,800	20,800	16,500	9,950	17,800	6,800	6,100	6,750
29	6,570	6,200	22,000	15,500	------	17,900	14,200	16,200	16,000	6,640	6,330	6,780
30	6,650	6,530	21,000	20,500	------	14,100	12,000	27,900	16,700	6,260	7,030	6,330
31	6,480	------	20,000	20,800	------	13,400	------	30,500	------	5,970	6,780	------
TOTAL	204,000	191,570	389,100	473,090	534,300	563,690	768,600	342,040	685,000	245,080	231,530	190,360
MEAN	6,581	6,386	12,550	15,260	19,080	18,180	25,620	11,030	22,830	7,906	7,469	6,345
MAX	6,970	6,870	26,000	24,000	25,900	30,300	38,100	30,500	30,000	12,700	10,200	7,760
MIN	6,180	5,850	5,460	7,000	10,500	8,500	12,000	6,720	15,900	5,970	6,050	5,740

CAL YR 1972 TOTAL 3,644,180 MEAN 9,957 MAX 32,700 MIN 5,460
WTR YR 1973 TOTAL 4,818,360 MEAN 13,200 MAX 38,100 MIN 5,460

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, on downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi² (225.3 km²).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (37 m)(from topographic map).

AVERAGE DISCHARGE.--7 years, 110 ft³/s (3.115 m³/s), 17.17 in/yr (436 mm/yr).

EXTREMES.--Current year: Maximum discharge, 472 ft³/s (13.4 m³/s) June 13, gage height, 8.37 ft (2.551 m); minimum, 93 ft³/s (2.63 m³/s) July 10.

Period of record: Maximum discharge, 420 ft³/s (11.9 m³/s) Aug. 17, 1971, gage height, 8.00 ft (2.438 m); minimum, 66 ft³/s (1.87 m³/s) Sept. 14, 1969.

REMARKS.--Records good. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	110	[illegible]	125	121	128	215	147	126	96	130	110
2	108	110	115	137	245	132	168	139	125	110	119	111
3	103	111	116	134	204	150	152	139	125	140	146	109
4	103	111	114	131	149	143	153	141	122	103	150	111
5	105	111	116	123	139	148	147	136	122	106	166	109
6	105	112	127	149	142	176	141	136	174	105	129	109
7	103	113	146	132	129	175	143	135	183	110	120	112
8	102	129	120	181	129	172	259	153	162	102	126	116
9	100	115	126	154	155	167	147	176	205	99	114	120
10	100	113	121	136	154	162	154	148	200	93	109	184
11	100	112	110	132	158	153	155	140	171	125	107	137
12	102	112	118	131	144	200	150	146	168	118	104	127
13	112	112	117	125	140	166	148	136	283	103	103	134
14	114	118	132	121	147	160	148	134	174	109	102	160
15	104	117	141	121	225	164	146	134	157	166	104	134
16	105	117	140	120	188	142	145	129	248	120	110	130
17	105	128	126	118	150	171	144	129	143	111	111	125
18	104	116	121	118	145	149	145	128	155	116	123	122
19	105	116	119	127	143	139	144	124	157	104	127	120
20	106	128	112	124	135	136	142	132	180	100	112	116
21	105	118	141	120	132	138	141	129	211	103	111	120
22	106	118	148	133	133	136	139	126	205	108	112	112
23	105	115	143	127	133	128	139	125	169	101	110	115
24	112	118	120	120	131	129	141	125	154	100	109	114
25	116	146	132	119	129	145	148	124	161	102	108	113
26	109	171	126	121	130	145	156	125	162	99	109	115
27	109	131	108	143	131	160	156	155	146	99	109	150
28	115	120	120	148	128	136	144	135	141	123	105	147
29	112	119	120	146	------	147	139	136	174	107	105	125
30	108	121	118	127	------	153	137	136	102	106	108	120
31	108	------	[illegible]	122	------	214	------	128	------	150	115	------
TOTAL	3,305	3,588	3,980	4,065	4,245	4,769	4,684	4,221	5,000	3,432	3,611	3,727
MEAN	107	120	128	131	152	153	156	136	167	111	116	124
MAX	114	171	146	181	245	214	259	176	283	166	166	184
MIN	100	110	108	118	121	128	137	124	102	93	102	109
CFSM	1.23	1.38	1.48	1.51	1.75	1.76	1.79	1.56	1.92	1.28	1.33	1.43
IN.	1.41	1.53	1.71	1.74	1.82	2.03	2.00	1.80	2.14	1.47	1.54	1.59

CAL YR 1972 TOTAL 43,425 MEAN 119 MAX 323 MIN 93 CFSM 1.37 IN 18.57
WTR YR 1973 TOTAL 48,616 MEAN 133 MAX 283 MIN 93 CFSM 1.53 IN 20.79

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-02	1200	7.44	364	6-13	0300	8.37	472
3-12	0300	6.38	259	6-16	0400	7.27	347
3-31	1600	6.75	295	6-20	0200	6.39	260
4-07	2100	7.31	351	7-14	2400	6.26	248

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, on left bank at Ellenton Landing, 0.2 mi (0.3 km) southwest of Road A-4.7, 0.5 mi (0.8 km) below Upper Three Runs, Savannah River Plant.

PERIOD OF RECORD.--October 1971 to current year (discharge below 20,000 ft³/s (566 m³/s) only).

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 19.71 ft (6.008 m) Apr. 9, minimum daily 6,390 ft³/s (181 m³/s) Oct. 18.
Period of record: Maximum gage height, that of Apr. 9, 1973; minimum daily, 6,330 ft³/s (179 m³/s).

REMARKS.--Records fair. Records of water temperature are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.110	6.710	6.840	17.700	18.900	12.600	17.500	14.400		17.700	6.880	7.030
2	6.710	6.690	6.640	17.200	19.600	12.400	19.600	15.200		16.900	7.310	6.750
3	6.550	6.690	6.710	18.500	19.800	12.000	20.100	15.600		13.800	8.750	6.650
4	6.510	6.630	6.730	19.000	19.300	11.100		15.200	20.000	12.500	10.200	6.430
5	6.650	6.640	6.520	19.500	19.400	9.690		13.400	19.800	12.390	10.600	6.430
6	6.500	6.690	6.750	18.400	19.600	10.600		10.000	19.800	11.800	9.450	6.740
7	6.691	6.700	7.410	18.000	19.600	14.300		7.990	19.900	11.000	8.130	6.830
8	6.680	6.790	7.790	18.200	19.600	17.400		7.710	20.000	10.500	9.980	6.830
9	6.630	6.740	7.700	18.600	19.600	15.200		8.170	20.100	9.430	10.300	6.860
10	6.600	6.740	7.650	18.400	19.700	14.600		8.850		8.550	10.200	6.670
11	6.620	6.770	7.300	17.900	19.800	14.200		10.300	20.000	8.400	9.320	6.670
12	6.680	6.750	7.000	18.400	19.800	13.600		11.400	19.800	8.240	8.290	6.710
13	6.741	6.740	6.840	18.500	19.700	15.500		10.600	20.000	8.530	7.150	6.800
14	6.830	6.670	6.980	17.800	19.700	17.800		9.980		9.350	6.700	7.070
15	6.960	6.800	7.100	18.600	19.900	18.600		9.740		8.540	7.270	8.140
16	6.950	6.590	8.190	18.400	20.000	18.300		9.500		7.970	8.240	7.560
17	6.670	6.600	9.260	18.900	20.000	18.200		9.500		7.640	8.710	7.060
18	6.390	6.610	8.670	15.400	19.900	19.200		10.000		7.500	8.510	6.800
19	6.590	6.620	10.400	18.500	19.700	19.700		9.000		7.480	7.570	6.730
20	6.420	6.630	14.600	12.800	19.800	19.900		8.000		7.460	7.260	6.670
21	6.910	6.680	14.500	9.550	19.800		20.100	7.500	20.000	7.460	6.990	6.750
22	6.831	6.860	15.800	8.190	19.500		19.800	8.500	20.000	7.480	7.050	6.870
23	6.550	7.000	18.300	8.410	19.200		19.100	9.500	20.100	7.540	7.220	6.830
24	6.570	6.620	19.600	9.220	17.700		17.300	11.000	20.000	7.520	7.400	6.690
25	6.550	6.560	19.800	8.540	14.900		16.800	10.000	19.900	7.710	7.280	6.420
26	6.590	6.910	19.700	7.670	13.000	20.100	17.500	9.500	19.700	7.650	6.910	6.410
27	6.640	7.220	19.700	12.000	12.300	19.800	18.800	10.000	19.000	7.630	6.850	6.640
28	6.790	7.240	19.700	18.800	12.300	19.700	19.100	13.000	18.700	7.480	6.680	7.060
29	6.720	7.140	19.700	18.800	------	19.700	17.400	16.000	18.800	7.400	6.720	7.330
30	6.720	7.150	19.700	16.200	------	19.200	15.500	18.000	18.500	7.240	7.020	7.140
31	6.730	------	19.500	18.100	------	17.000	------	19.000	------	6.790	7.230	------
TOTAL	207.140	202.950	363.000	458.980	522.700			346.440		287.540	248.170	205.570
MEAN	6.682	6.765	11.710	14.810	18.670			11.180		9.275	8.005	6.852
MAX	7.110	7.240	19.800	19.500	20.000			19.000		17.700	10.600	8.140
MIN	6.390	6.560	6.520	7.670	12.300			7.500		6.790	6.680	6.410

02198500 SAVANNAH RIVER NEAR CLYO, GA.

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Ga.-S.C. State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 65.0 (104.6 km).

DRAINAGE AREA.--9,850 mi² (25,510 km²), approximately.

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.087 m) above mean sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1,219 m) higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--40 years, 11,900 ft³/s (337 m³/s), 16.41 in/yr (417 mm/yr).

EXTREMES.--Current year: Maximum discharge, 44,500 ft³/s (1,260 m³/s) Apr. 15, gage height 17.29 ft (5.270 m); minimum daily, 7,010 ft³/s (199 m³/s).

Period of record: Maximum discharge, 270,000 ft³/s (7,950 m³/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft³/s (3,400 m³/s); minimum daily, 1,950 ft³/s (55.2 m³/s) Sept. 27, 1931.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1112: 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.940	7.580	8.530	21.200	15.400	26.400	32.600	24.500	12.900	26.600	9.280	8.860
2	8.130	7.510	8.530	22.800	16.400	23.500	32.100	23.700	13.500	25.700	8.980	8.940
3	7.920	7.420	8.250	23.900	17.600	22.100	31.700	23.200	14.200	25.000	9.090	8.740
4	7.340	7.440	8.110	24.800	18.600	20.600	31.100	22.800	14.900	24.200	9.750	8.460
5	7.230	7.470	8.110	24.400	19.800	19.300	30.100	22.100	15.600	23.300	11.000	8.260
6	7.200	7.450	8.250	24.800	22.000	18.500	29.000	21.300	15.900	22.300	12.100	8.020
7	7.180	7.460	8.510	24.000	25.000	17.900	28.500	20.600	18.000	20.900	12.900	8.040
8	7.320	7.450	9.330	23.800	27.500	17.100	29.600	19.900	21.200	19.500	13.300	8.260
9	7.380	7.500	9.960	23.800	29.100	17.000	33.000	19.100	25.500	18.200	13.200	8.320
10	7.320	7.520	10.200	23.800	30.400	17.700	37.200	17.300	28.400	16.700	13.200	8.420
11	7.220	7.700	10.100	23.800	30.800	18.500	39.700	15.100	29.600	15.300	13.400	8.420
12	7.260	7.710	9.780	23.600	30.700	19.600	41.200	13.400	30.100	13.600	13.600	8.340
13	7.320	7.580	9.500	23.100	30.100	20.900	42.600	12.800	30.400	12.700	13.300	8.420
14	7.350	7.540	9.100	22.500	29.700	21.800	43.400	12.900	31.300	12.600	12.300	8.730
15	7.450	7.530	8.840	22.000	29.500	22.100	44.400	13.100	32.400	12.700	10.800	9.090
16	7.570	7.400	8.740	21.600	29.600	21.000	43.600	13.000	33.900	12.600	9.610	9.530
17	7.600	7.440	9.030	21.400	30.000	21.400	41.700	12.700	34.400	12.100	9.620	10.000
18	7.410	7.530	9.850	21.600	30.600	21.000	40.000	12.600	34.900	11.500	10.100	9.790
19	7.080	7.620	10.400	21.700	31.200	20.900	38.400	12.300	36.000	10.800	10.600	9.310
20	7.010	7.600	10.500	21.600	31.400	21.200	37.300	12.000	37.500	10.400	10.700	8.930
21	7.180	7.630	11.300	21.200	31.200	21.800	36.300	11.800	37.300	10.200	10.300	8.720
22	7.410	7.750	12.400	20.800	30.900	22.600	35.600	11.000	36.700	9.930	9.860	8.590
23	7.440	7.760	13.200	20.200	30.500	23.100	35.000	10.300	35.400	9.790	9.540	8.600
24	7.260	7.820	13.800	19.200	29.900	23.600	34.200	10.000	33.600	9.750	9.470	8.710
25	7.180	7.870	14.500	17.600	29.000	24.700	33.100	10.400	32.000	9.800	9.580	8.660
26	7.200	7.760	15.100	15.700	28.000	26.800	31.900	10.800	31.000	9.840	9.620	8.460
27	7.330	7.940	15.800	14.100	27.100	29.600	30.500	11.200	30.200	9.860	9.470	8.200
28	7.600	8.420	16.500	12.900	26.100	32.000	28.900	11.300	29.600	9.860	9.140	8.000
29	7.620	8.720	17.300	13.100	------	33.400	27.200	11.400	28.700	9.760	8.900	8.000
30	7.590	8.710	18.400	13.800	------	33.500	25.700	11.700	27.600	9.630	8.700	8.200
31	7.590	------	19.600	14.600	------	33.000	------	12.200	------	9.510	8.660	------
TOTAL	229.630	231.110	351.620	643.400	758.300	712.000	1.046.100	466.300	833.200	454.630	330.080	259.000
MEAN	7.407	7.704	11.340	20.750	27.080	22.970	34.870	15.040	27.770	14.670	10.650	8.633
MAX	8.130	8.720	19.600	24.800	31.400	33.500	44.400	24.500	37.500	26.600	13.600	10.000
MIN	7.010	7.400	8.110	12.900	15.400	17.000	25.700	10.000	12.900	9.510	8.660	8.000

CAL YR 1972 TOTAL 4.476.950 MEAN 12.230 MAX 36.300 MIN 7.010
WTR YR 1973 TOTAL 6.315.370 MEAN 17.300 MAX 44.400 MIN 7.010

PEE DEE RIVER BASIN

02130908 LAKE ROBINSON.--Lat 34°23'50", long 80°09'00", Darlington County, at plant intake structure on Black Creek, 2.3 mi (3.7 km) upstream from Beaverdam Creek, and 4.7 mi (7.6 km) west of Hartsville. Drainage area, 173 mi² (448 km²). Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

SANTEE RIVER BASIN

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, at powerplant on Catawba River, 2.0 mi (3.2 km) upstream from Big Dutchman Creek, 3.5 mi (5.6 km) upstream from U.S. Highway 21, 3.5 mi (5.6 km) northwest of Fort Mill, and at mile 138.5 (222.8 km). Drainage area, 3,020 mi² (7,820 km²), approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage and indicator in powerhouse. Datum of gage is 469.4 ft (143.07 m) above mean sea level (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,520,500,000 ft³ (71,381,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage, 4,022,000,000 ft³ (113,900,000 m³). Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, at Fishing Creek dam, 0.25 mi (0.40 km) upstream from State Highway 97, 0.5 mi (0.8 km) upstream from Fishing Creek, 2.5 mi (4.0 km) north of Great Falls, and at mile 100.5 (161.7 km). Drainage area 3,810 mi² (9,870 km²), approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 317.2 (96.68 m) above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 ft³ (18,900,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 963,100,000 ft³ (27,270,000 m³). Records furnished by Duke Power Co.

02147800 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, at Wateree Reservoir dam, 0.8 mi (1.3 km) upstream from Graungs Quarter Creek, 8.75 mi (14.1 km) northwest of Camden, and at mile 73.5 (118.3 km). Drainage area 4,750 mi² (12,300 km²), approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 125.5 ft (38.25 m) above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation in 1917. Usable capacity 2,794,000,000 ft³ (79,130,000 m³) between gage heights 95.0 ft (28.96 m) and 100.0 ft (30.48 m). Dead storage 4,831,600,000 ft³ (136,830,000 m³). Records furnished by Duke Power Co.

MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

Date	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)
	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
Sept. 30.......	220.7	1,320	-	95.8	8,247	-	97.4	1,267	-	96.7	5,738	-
Oct. 31.......	220.9	1,339	+7.1	95.6	8,151	-36	96.3	1,124	-53	95.7	5,199	-201
Nov. 30.......	221.2	1,369	+11.6	98.3	9,489	+516	95.0	963	-62	96.7	5,738	+203
Dec. 31.......	221.4	1,389	+7.5	97.0	8,832	-245	97.1	1,227	+99	98.1	6,518	+291
CAL YR 1972	-	-	+.6	-	-	-6	-	-	-2	-	-	+25
Jan. 31.......	221.5	1,400	+4.1	97.3	8,981	+56	95.5	1,024	-76	96.9	5,847	-251
Feb. 28.......	221.3	1,379	-8.7	97.0	8,832	-62	97.6	1,293	+111	96.9	5,847	0
Mar. 31.......	221.4	1,389	+3.7	99.9	10,334	+561	100.0	1,630	+126	95.7	5,199	-242
Apr. 30.......	221.4	1,389	0	99.5	10,119	-83	97.7	1,307	-125	96.5	5,629	+166
May 31.......	221.1	1,359	-11.2	100.0	10,388	+100	99.8	1,601	+110	98.6	6,805	+439
June 30.......	221.4	1,389	+11.6	98.0	9,335	-406	98.1	1,361	-93	97.8	6,348	-176
July 31.......	221.1	1,359	-11.2	97.3	8,981	-132	95.9	1,074	-107	98.2	6,575	+85
Aug. 31.......	220.6	1,310	-18.3	98.0	9,335	+132	93.3	766	-115	97.6	6,235	-127
Sept. 30.......	220.6	1,310	0	95.2	7,962	-530	97.5	1,280	+198	96.9	5,847	-150
WTR YR 1973	-	-	-.3	-	-	-9	-	-	0	-	-	+3

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1973, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pee Dee River basin					
02131110	Jefferies Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", on upstream side of bridge on County Road 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	30.1	1968-73	2-2-73	8.37	†
02131500	Lynches River near Bishopville, S.C.	Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U. S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Dells Branch, and at mile 89.5.	675	1942-71‡ 1972-73	4-4-73	17.40	12,400
02132500	Little Pee Dee River near Dillon, S.C.	Lat 34°24'17", long 79°20'25", Dillon County, near center of span on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles (revised) upstream from Maple Swamp, and at mile 88.3	524	1939-71‡ 1972-73	2-19-73	12.54	5,960
		Santee River basin					
02153500	Broad River at Gaffney, S.C.	Lat 35°05'20", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U. S. Highway 29, 0.3 mile upstream from Cherokee Creek, 4.4 miles downstream from Gaston Shoals Dam, 4.5 miles east of Gaffney, and at mile 270.3.	1490	1936-71‡ 1972-73	3-17-73	12.99	42,900
02156000	Pacolet River near Clifton, S.C.	Lat 34°58'10", long 81°48'05", Spartanburg County, on left bank 1.0 miles (revised) downstream from dam at Clifton Mill, 1.3 miles southeast of Clifton, 2.7 miles upstream from Lawsons Fork Creek, 2.7 miles northeast of Glendale, and at mile 26.2.	320	1939-71‡ 1972-73	2-3-73	11.24	10,800
02156300	Lawsons Fork Creek at Spartanburg, S. C.	Lat 34°56'53", long 81°52'08", on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg, S.C.	65.2	1966-70‡ 1970-73	2-3-73	13.31	2,920
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", on left bank 200 ft upstream from bridge on State Highway 292 at Lyman, S.C.	68.3	1937-68‡ 1970-73	5-28-73	11.21	3,310
02158000	North Tyger River near Moore, S.C.	Lat 34°48'10", long 81°57'57", on right bank at Ott Shoals, 2.6 miles southeast of Moore, S.C.	162	1933-68‡ 1970-73	9-15-73	4.94	4,850
02158500	South Tyger River near Reidville, S.C.	Lat 34°52'35", long 82°05'10", on left bank 0.4 mile upstream from bridge on State Highway 296, 1.8 miles northeast of Reidville, S.C.	106	1934-68‡ 1970-73	9-14-73	5.80	1,790
02159000	South Tyger River near Woodruff, S.C.	Lat 34°45'21", long 81°56'19", Spartanburg County on left bank at Chesnee Shoals, 0.5 mile upstream from confluence with North Tyger River, 5.75 miles east of Woodruff, and at mile 0.5.	174	1933-71 1972-73	9-15-73	4.62	1,850
02160000	Fairforest Creek near Union, S.C.	Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5.	183	1940-71‡ 1972-73	4-1-73	7.46	6,820
02162095	Smith Branch at Columbia, S.C.	Lat 34°01'40", long 81°02'57", on left downstream wingwall of culvert on Sunset Drive at Columbia, S.C.	6.14	1968-73	3-6-73	-	743*
02163000	Saluda River near Pelzer, S.C.	Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.	405	1929-71 1972-73	5-29-73	6.16	6,160

Annual maximum discharge at crest-stage partial-record stations during water year 1972, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
0216400	Reedy River near Greenville, S.C.	Lat 34°48'00", long 82°21'55", Greenville County, on right bank 375 ft downstream from bridge on Interstate Highway 85, 0.5 mile upstream from Brushy Creek, 2.5 miles upstream from dam at Conestee, 3.9 miles southeast of city hall in Greenville, and at mile 46.5.	48.6	1941-71‡ 1972-73	5-28-73	8.62	3,080
02169560	Gills Creek at Boyden Arbor Road at Ft. Jackson, S. C.	Lat 34°02'25", long 80.55'40", at downstream side of bridge on Boyden Arbor Road.	19.3	1970-71 1972-73	3-6-73	–	207*
		Edisto River basin					
02172500	South Fork Edisto River near Montmorenci, S.C.	Lat 33°34'35", near center of span on downstream side of bridge on State Highway 215, 0.4 mile upstream from Cedar Creek, 1 mile upstream from Shaw Creek, 7.6 miles northeast of Montmorenci, Aiken County, and at mile 167.3.	198	1939-66‡ 1967-73	2-2-73	7.73	1,380
02-173000	South Fork Edisto River near Denmark, S.C.	Lat 33°23'35", long 81°08'00", Orangeburg County, on left bank at downstream side of bridge on U. S. Highway 321, 360 ft downstream from Seaboard Coast Line Railroad bridge, 1.8 miles downstream from Little River, 4.8 miles north of Denmark, and at mile 136.6	720	1931-71‡ 1972-73	2-3-73	8.01	3,270
		Savannah River basin					
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", on right bank 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls, S.C.	267	1950-66‡ 1970-73	4-1-73	5.88	3,160
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", on right bank 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel, S.C.	217	1939-70‡ 1970-73	4-1-73	23.60	10,600

‡ Operated as a continuous-record gaging station.

† Discharge not determined.

* Discharge measurement.

PART 2. WATER QUALITY RECORDS

02110800 WACCAMAW RIVER NEAR LONGS, S.C.

LOCATION.--Lat 34°54'45", long 78°42'55", Horry County, at gaging station near right bank on downstream side of bridge on State Highway 9, 500 ft (152 m) downstream from Buck Creek, 2.1 mi (3.4 km) southeast of Longs, and at mile 85.4 (137.4 km).

DRAINAGE AREA.--1,110 mi^2 (2870 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.							
12...	1210	20.0	32	45	4.2	7.0	10*
NOV.							
14...	1120	10.0	55	18	7.3	9.6	160
DEC.							
12...	1510	12.5	1020	80	6.6	7.5	5600
JAN.							
23...	1455	11.0	4100	45	4.2	9.3	300*
FEB.							
21...	1540	8.0	8000	50	5.5	11.2	236
MAR.							
13...	0945	17.0	3100	36	5.5	9.5	160
APR.							
13...	1155	20.0	73	45	5.7	5.5	28*
MAY							
23...	1030	22.5	364	53	6.3	7.3	26*
JUNE							
26...	1135	25.0	286	43	5.3	5.0	36
JULY							
25...	1445	23.5	375	50	4.1	4.2	120

PEE DEE RIVER BASIN

02130600 CEDAR CREEK AT SOCIETY HILL, S.C.

LOCATION.--Lat 34°31'30", long 79°51'05", Darlington County, at gaging station on upstream side of old highway bridge, 300 ft (91 m) below U.S. Highway 52, 0.3 mi (0.5 km) upstream from Seaboard Coast Line Railroad, at Society Hill, and at mile 1.7 (2.7 km).

DRAINAGE AREA.--55 mi^2 (142 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
19...	0750	25.0	60	19	5.0	7.2	84
AUG.							
24...	1430	26.5	52	20	5.3	7.6	680
SEP.							
19...	1400	24.0	60 **	32	4.6	6.8	100
OCT.							
13...	0830	17.0	42	18	5.4	11.4	67
NOV.							
13...	1345	13.0	85	22	6.0	9.8	100
DEC.							
11...	1530	10.5	107	20	5.2	9.5	48
JAN., 1973							
30...	0900	6.0	228	45	5.8	10.8	45
FEB.							
20...	1605	8.5	178	20	5.6	11.8	--
MAR.							
12...	1315	16.5	198	46	6.5	9.4	210
APR.							
18...	1645	19.5	445	18	5.6	9.4	--
MAY							
22...	1245	18.5	88	17	6.1	9.0	58
JUNE							
25...	1440	24.0	312	22	5.4	6.5	70
JULY							
25...	1140	24.0	104	19	5.5	7.3	130

*Value based on non-ideal colony count.

** Mean daily discharge.

PEE DEE RIVER BASIN

02130900 BLACK CREEK NEAR MCBEE, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, at gaging station near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mi (0.3 km) upstream from Little Alligator Creek, 5.3 mi (8.5 km) northeast of McBee, and at mile 59.1 (95.1 km).

DRAINAGE AREA.--108 mi^2 (280 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 ro July 1973 (discontinued).

CHEMICAL ANALYSES: JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
19...	1050	26.0	176	17	5.3	6.8	--
AUG.							
29...	1350	23.0	66	15	6.0	7.7	--
SEP.							
19...	1335	22.5	108	30	6.0	6.8	760
OCT.							
17...	0930	17.0	53	16	5.5	10.6	76
NOV.							
17...	1315	13.5	130	23	5.0	8.6	--
DEC.							
11...	1500	10.5	214	23	[illegible]	9.5	30
JAN., 1973							
30...	0930	[illegible]	310	20	[illegible]	11.1	--
FEB.							
20...	1630	[illegible]	263	20	6.3	12.6	32
MAR.							
12...	1445	[illegible]	300	20	[illegible]	[illegible]	[illegible]
APR.							
10...	1415	13.0	330	16	[illegible]	[illegible]	--
MAY							
22...	1210	19.0	152	16	[illegible]	[illegible]	160
JUNE							
26...	1610	23.5	[illegible]	21	[illegible]	6.7	--
JULY							
26...	1035	26.0	162	16	[illegible]	7.7	[illegible]

PEE DEE RIVER BASIN

02130910 BLACK CREEK NEAR HARTSVILLE, S.C.

LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, at gaging station at downstream side of highway bridge, 1000 ft (304.8 m) downstream from dam at H.B. Robinson steam electric plant, 2.1 mi (3.4 km) upstream from Beaverdam Creek, 4.6 mi (7.4 km) west of Hartsville, and at mile 49.9 (80.3 km).

DRAINAGE AREA.--173 mi^2 (448 km^2).

PERIOD OF RECORD.--Chemical analysis: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
12...	1130	23.5	92	21	[illegible]	7.0	**
NOV.							
13...	1245	10.5	103	22	6.2	10.0	12 *
DEC.							
11...	1615	16.5	264	22	[illegible]	8.0	5600
JAN.							
30...	0950	11.5	310	22	6.2	10.8	2 *
FEB.							
20...	1540	11.0	744	22	6.2	11.7	--
MAR.							
12...	1505	10.0	605	25	6.2	10.7	33
APR.							
10...	1550	20.0	310	10	6.1	10.4	--
MAY							
22...	1145	23.5	164	21	6.2	9.2	16 *
JUNE							
26...	1335	28.0	635	10	7.1	7.7	46 *
JULY							
26...	0810	31.5	744	10	6.6	7.1	**

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02131000 PEE DEE RIVER AT PEEDEE, S.C.

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, at gaging station in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, 8.2 mi (13.2 km) downstream from Black Creek, and at mile 100.2 (161.2 km).

DRAINAGE AREA.--8,830 mi^2 (22,900 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1948 to September 1949, October 1961 to September 1973.
Water temperatures: February 1967 to September 1969, March to September 1972.
Sediment records: February 1967 to September 1972.

EXTREMES, 1967-72.--Specific conductance: Maximum daily, 140 micromhos Dec. 3, 1967; minimum daily, 52 micromhos July 16, 1968.
Water temperatures: Maximum daily, 32.0°C Aug. 8, 1968; minimum daily, 2.0°C Jan. 18, 1968.
Sediment concentrations: Maximum daily, 294 mg/l Aug. 12, 1970; minimum daily, 8 mg/l Oct. 20, 1970.
Sediment loads: Maximum daily, 13,900 tons Mar. 13, 1971; minimum daily, 43 tons Oct. 20, 1970.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 12...	1500	20.0	3060	80	6.9	9.0	2*
NOV. 16...	1345	13.0	2010	60	7.0	9.3	90
DEC. 12...	0935	10.5	9330 **	95	7.0	6.6	140
JAN. 23...	1105	9.5	16200	70	6.0	10.5	45*
FEB. 21...	1100	9.0	36000	65	6.3	11.5	52
MAR. 13...	1145	13.5	24500	60	6.0	9.7	220
APR. 19...	1535	17.5	21200	60	6.6	9.1	>1200
MAY 23...	1240	23.0	4510	73	6.3	7.9	30*
JUNE 26...	1550	25.0	21400	60	6.0	6.4	>1200
JULY 25...	1415	29.0	9980	74	7.1	7.1	45
SEP. 26...	0945	24.5	3020	105	6.0	6.9	1600

DATE	TIME	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
JAN. 23...	1100	1.2	.7	3.6	1.3	2.9	1.2	.04	.09	55	27
FEB. 21...	1100	1.6	1.5	3.5	1.3	2.9	1.1	.06	.06	52	38
APR. 19...	1535	1.1	.6	3.3	1.0	2.6	.9	.03	.04	45	14
MAY 23...	1240	6.4	1.0	2.4	1.1	1.0	1.0	.04	.02	51	34
JUNE 26...	1630	1.3	4.3*	4.4	2.2	3.5	1.8	.05	.04	49	54
JULY 25...	0300	1.0	4.3	3.3	2.6	2.7	2.0	.03	.02	59	58

* Value based on non-ideal colony count.
** Mean daily discharge.

02131150 CATFISH CANAL AT SELLERS, S.C.

LOCATION.--Lat 34°17'04", long 79°26'32", Marion County, at gaging station on right downstream wingwall of bridge on State Highway 38, 2.0 mi (3.2 km) east of Sellers, 2.3 mi (3.7 km) upstream from Stackhouse Creek, and at mile 25.6 (41.2 km).

DRAINAGE AREA.--28 mi² (73 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1972 to September 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972 17...	1315	24.5	3.6	57	6.3	7.7	280
AUG. 29...	0750	22.5	4.0	45	5.6	7.3	--
SEP. 19...	1330	24.0	.70	54	5.9	7.4	200
OCT. 12...	1430	17.0	.30	50	6.2	8.5	240
NOV. 14...	1310	17.0	3.2	30	6.2	6.7	48
DEC. 12...	0945	11.0	10	70	5.6	7.5	120
JAN., 1973 23...	1125	10.5	47	80	5.5	9.1	140
FEB. 21...	1125	10.5	54	65	4.9	10.7	20*
MAR. 13...	1130	15.0	57	65	5.0	8.4	120
APR. 19...	0900	17.0	21	60	5.6	8.2	84
MAY 23...	0705	19.0	4.9	56	6.3	8.2	180
JUNE 26...	0750	22.0	13	61	5.9	7.4	>1300
JULY 25...	1440	24.0	4.3	50	6.1	7.9	920
SEP. 13...	1135	22.0	12	62	6.0	7.4	170

02131300 LYNCHES RIVER NEAR JEFFERSON, S.C.

LOCATION.--Lat 34°37'50", long 80°25'15", Chesterfield County, at bridge on State Highway 265, 0.8 (1.3 km) upstream from Fork Creek, 2.1 mi (3.4 km) southwest of Jefferson, and at mile 125.7 (202.3 km).

DRAINAGE AREA.--170 mi² (440 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1971 to September 1973 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 26...	1230	17.0	80	9.7	11.4	600
NOV. 13...	1100	11.5	90	7.6	10.0	65
DEC. 11...	1550	15.0	80	7.4	6.9	--
JAN. 16...	1350	6.0	70	7.1	12.6	>1000
FEB. 20...	1300	9.0	60	7.1	10.8	59
MAR. 12...	1250	16.0	60	6.5	9.8	--
APR. 18...	1450	18.5	58	7.2	10.8	>4000
MAY 22...	0935	18.0	70	7.7	10.2	110
JUNE 25...	1145	23.0	80	7.1	9.3	470
JULY 25...	0950	25.5	60	7.2	8.5	310
SEP. 13...	1150	23.5	80	7.6	8.6	20*

*Value based on non-ideal colony count.

02131325 LYNCHES RIVER NEAR ANGELUS, S.C.

LOCATION.--Lat 34°34'12", long 80°22'30", Chesterfield County, at bridge on State Highway 903, 1.0 mi (1.6 km) downstream from Rocky Creek, 3.6 mi (5.8 km) southwest of Angelus, and at mile 119.1 (191.6 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1155	25.0	120	6.9	7.7	700
SEP.						
19...	1120	24.0	200	6.9	6.6	220
OCT.						
31...	1330	15.5	140	7.1	5.0	1300
NOV.						
13...	1125	12.0	70	7.0	9.5	910
DEC.						
11...	1150	14.5	70	7.2	7.3	330
JAN., 1973						
16...	1225	6.0	70	7.1	12.4	1400
FEB.						
20...	1325	9.0	53	7.2	12.0	120*
MAR.						
12...	1315	16.0	62	6.4	9.8	>3000
APR.						
18...	1240	18.5	65	6.8	9.5	--
MAY						
22...	1005	17.5	90	6.7	9.7	--
JUNE						
25...	1210	26.0	64	6.8	7.5	2001*

02131390 YELLOW SANDS LAKE NEAR BETHUNE, S.C.

LOCATION.--Lat 34°29'20", long 80°20'50", Kershaw County, at walkway in swimming area, 100 ft (30.5 m) upstream from State Highway 346, 1.7 mi (2.7 km) upstream from Lynches River, and 5.0 mi (8.0 km) north of Bethune.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1210	26.0	16	5.9	7.6	--
SEP.						
19...	1135	26.5	24	6.2	6.5	57
OCT.						
13...	1230	20.0	15	5.4	9.3	2*
NOV.						
13...	1140	14.5	19	5.8	7.9	59
DEC.						
11...	1300	15.5	14	6.0	7.1	260
JAN., 1973						
16...	1205	7.0	17	5.9	10.8	4*
FEB.						
20...	1350	11.0	14	6.1	10.0	--
MAR.						
12...	1320	19.0	20	5.9	8.9	3*
APR.						
18...	1340	19.0	14	6.0	9.1	340*
MAY						
22...	1020	19.5	13	5.8	8.1	140
JUNE						
25...	1235	29.0	14	5.9	6.6	12*

*Value based on non-ideal colony count.

02131440 LYNCHES RIVER NEAR BETHUNE, S.C.

LOCATION.--Lat 34°25'50", long 80°19'10", Kershaw County, at bridge on U.S. Highway 1, 1.9 mi (3.1 km) northeast of Bethune, 5.4 mi (8.7 km) upstream from Little Lynches River, and at mile 105.0 (168.9 km).

DRAINAGE AREA.--380 mi^2 (980 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
13...	1300	17.0	90	6.9	10.0	120
NOV.						
13...	1212	13.5	75	7.1	9.2	780
DEC.						
11...	1340	14.5	50	6.0	7.0	>2000
JAN.						
16...	1145	6.0	60	7.0	11.6	110
FEB.						
20...	1400	6.5	50	6.7	11.1	--
MAR.						
12...	1430	17.0	50	6.7	9.1	310
APR.						
18...	1420	17.5	50	6.7	8.7	>2000
MAY						
22...	1100	19.0	48	6.7	3.7	150
JUNE						
26...	1300	23.5	60	6.4	6.7	900
JULY						
25...	0853	25.5	75	7.0	7.3	820

PEE DEE RIVER BASIN

02131465 HANGING ROCK CREEK AT COUNTY HIGHWAY 75 NEAR KERSHAW, S.C.

LOCATION.--Lat 34°31'45", long 80°36'33", Kershaw County, at bridge on County Highway 75, 1.1 mi (1.8 km) upstream from Southern Railway bridge, 2.2 mi (3.5 km) southwest of Kershaw, and 5.6 mi (9.0 km) upstream from Little Lynches River.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1100	22.0	58	7.1	9.3	--
SEP.						
21...	0955	18.0	60	5.8	8.6	--
OCT.						
26...	1055	14.5	55	7.0	11.8	730
NOV.						
22...	1120	8.0	--	6.7	11.9	870
DEC.						
11...	1050	14.0	54	7.2	7.7	3200
JAN., 1973						
16...	1340	6.0	46	7.0	12.3	70 *
FEB.						
20...	1130	6.0	42	7.1	12.4	--
MAR.						
12...	1155	16.0	40	6.5	10.3	740
APR.						
18...	1100	17.0	44	6.9	10.0	1500 *
MAY						
22...	0825	15.0	45	7.2	9.5	1500 *
JUNE						
25...	1035	26.5	41	6.8	9.0	1300 *

*Value based on non-ideal colony count.

02131467 HANGING ROCK CREEK AT COUNTY HIGHWAY 84 NEAR KERSHAW, S.C.

LOCATION.--Lat 34°31'23", long 80°35'23", Kershaw County, at bridge on County Highway 84, 0.1 mi (0.2 km) upstream from Southern Railway bridge, 1.8 mi (2.9 km) southwest of Kershaw, and 4.5 mi (7.2 km) upstream from Little Lynches River.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1045	26.0	65	7.1	7.2	100
SEP.						
21...	0945	22.0	67	6.0	7.3	--
OCT.						
26...	1110	15.5	60	7.1	10.0	300
NOV.						
22...	1131	10.0	--	6.4	11.5	140
DEC.						
11...	1030	14.5	58	7.2	7.3	>2000
JAN., 1973						
16...	1355	6.5	41	7.0	12.3	66
FEB.						
20...	1150	0.0	41	6.0	10.0	88
MAR.						
12...	1305	17.0	44	6.6	9.0	540
APR.						
18...	1120	17.0	44	6.0	9.7	--
MAY						
22...	0940	19.0	51	7.4	8.0	1500 *
JUNE						
25...	1050	23.5	44	6.6	7.0	220

PEE DEE RIVER BASIN

02131469 HANGING ROCK CREEK AT COUNTY HIGHWAY 41 NEAR KERSHAW, S.C.

LOCATION.--Lat 34°30'35", long 80°32'30", Kershaw County, at bridge on County Highway 41, 1.1 mi (1.8 km) upstream from Little Lynches River, 3.3 mi (5.3 km) downstream from Southern Railway bridge, and 3.5 mi (5.6 km) southeast of Kershaw.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1115	24.0	64	6.8	7.6	300
SEP.						
21...	0935	20.0	75	7.0	8.4	330
OCT.						
26...	1140	15.0	60	7.0	9.6	>1320
NOV.						
22...	1145	8.0	--	6.5	10.8	290
JAN., 1973						
16...	1325	6.0	46	6.9	12.1	160 *
FEB.						
20...	1215	8.0	40	6.4	11.5	160 *
MAR.						
12...	1225	16.5	40	6.6	10.2	470
APR.						
18...	1200	17.0	40	6.8	9.6	3800
MAY						
22...	0900	17.5	46	7.2	8.8	510
JUNE						
25...	1110	21.5	42	6.6	8.0	>20000

*Value based on non-ideal colony count.

02131480 LITTLE LYNCHES RIVER NEAR BETHUNE, S.C.

LOCATION.--Lat 34°23'40", long 80°23'02", Kershaw County, at bridge on U.S. Highway 1, 0.1 mi (0.2 km) upstream from Seaboard Coast Line Railroad bridge, 2.6 mi (4.2 km) southwest of Bethune, 2.9 mi (4.7 km) downstream from Beaverdam Creek, and 6.0 mi (9.7 km) upstream from Lynches River.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
28...	1230	23.0	38	6.2	7.8	110
SEP.						
19...	1155	22.5	48	5.7	7.2	180
OCT.						
13...	1020	16.5	27	5.7	11.6	80
NOV.						
13...	1200	13.0	32	6.3	9.7	220
DEC.						
11...	1220	14.5	38	6.4	7.6	110
JAN., 1973						
16...	1100	4.5	40	6.5	11.6	120
FEB.						
20...	1315	9.0	34	6.4	11.2	28 *
MAR.						
12...	1340	18.0	32	6.3	9.5	90
APR.						
18...	1400	19.5	32	7.1	9.1	88
MAY						
22...	1040	18.0	36	6.6	8.5	>1000
JUNE						
25...	1250	23.0	34	6.0	6.6	--

PEE DEE RIVER BASIN

02131490 LYNCHES RIVER NEAR ASHLAND, S.C.

LOCATION.--Lat 34°22'05", long 80°17'15", Kershaw County, at bridge on County Highway 15, 100 ft (30.5 m) downstream from Little Lynches River, 5.1 mi (8.2 km) upstream from Turkey Creek, 5.6 mi (9.0 km) northwest of Ashland, and at mile 99.6 (160.3 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
28...	1310	24.0	70	6.7	6.9	75
SEP.						
19...	1230	23.5	90	6.6	7.0	170
OCT.						
13...	1200	19.0	70	7.3	9.6	140
NOV.						
13...	1230	13.0	65	6.9	9.0	420
DEC.						
11...	0910	14.0	34	6.4	7.1	93
JAN., 1973						
16...	1120	5.0	48	6.9	12.0	96
FEB.						
20...	1515	9.0	41	6.9	10.9	150 *
MAR.						
12...	1350	18.0	36	6.3	8.2	--
APR.						
18...	1530	18.5	39	6.5	8.7	>1000
MAY						
22...	1125	19.0	43	6.7	8.5	460
JUNE						
25...	1340	24.5	49	6.4	5.6	76

*Value based on non-ideal colony count.

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, at gaging station on left bank at downstream side of bridge on U.S. Highway 52, 75 ft (23 m) upstream from Seaboard Coast Line Railroad bridge, 1.0 mi (1.6 km) south of Effingham, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--1,030 mi^2 (2670 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, October 1960 to April 1966, July 1969 to July 1973 (discontinued). Water temperatures: October 1954 to September 1972.

EXTREMES, 1954-72.--Water temperatures: Maximum, 32.0°C on several days in 1960, 1961, and 1963; minimum, 0.5°C Jan. 24, 1970.

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
13...	0845	17.0	239	70	7.0	8.3	33
NOV.							
15...	0930	14.0	665	56	6.6	9.1	--
DEC.							
13...	0830	12.0	548	60	6.4	9.1	150
JAN.							
23...	1025	10.0	2070	60	6.5	10.2	86
FEB.							
22...	1000	5.5	3620	48	6.5	11.3	21 *
MAR.							
13...	1255	14.5	3390	52	6.8	7.3	100
APR.							
20...	0905	18.0	2040	48	6.5	7.7	100
MAY							
24...	0630	21.0	576	56	6.9	7.8	84
JUNE							
27...	0745	23.5	2380	50	6.8	6.2	370
JULY							
25...	1325	25.0	1200	48	6.6-	7.1	190

PEE DEE RIVER BASIN

02132700 MAIDEN DOWN SWAMP NEAR MULLINS, S.C.

LOCATION.--Lat 34°15'20", long 79°15'50", Marion County, at bridge on State Highway 41, 0.5 mi (0.8 km) upstream from Buck Swamp, and 3.8 mi (6.1 km) north of Mullins.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	0820	22.0	115	6.4	6.6	1300
SEP.						
20...	0910	21.5	350	5.7	5.6	230
OCT.						
12...	1405	15.0	120	6.4	3.6	50
NOV.						
14...	1245	16.0	110	6.6	5.2	200
DEC.						
12...	0910	10.0	10	6.5	7.0	230
JAN., 1973						
23...	1205	10.5	85	6.2	10.4	420
FEB.						
21...	1155	10.0	70	6.1	12.8	60
MAR.						
13...	1105	16.5	68	6.0	7.8	220
APR.						
19...	0950	21.0	70	6.3	9.1	160
MAY						
23...	0735	19.5	80	6.5	6.3	92
JUNE						
26...	0845	26.0	80	6.5	5.8	>1000

*Value based on non-ideal colony count.

02133000 LITTLE PEE DEE RIVER NEAR MULLINS, S.C.

LOCATION.--Lat 34°13'30", long 79°11'30", Marion County, at bridge on County Highway 60, 1.3 mi (2.1 km) upstream from Seaboard Coast Line Railroad Bridge, 3.6 mi (5.8 km) upstream from Lumber River, 3.8 mi (6.1 km) east of Mullins, and at mile 61.7 (99.3 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	0835	26.0	46	5.9	6.7	550
SEP.						
20...	0925	23.0	160	7.8	6.9	35
OCT.						
12...	1340	17.5	35	6.4	8.5	110
NOV.						
14...	1235	15.0	--	6.2	8.9	100
DEC.						
12...	1030	11.0	49	5.9	8.1	--
JAN., 1973						
23...	1250	9.0	45	6.0	10.2	26*
FEB.						
21...	1230	8.5	52	4.7	11.0	10*
MAR.						
13...	1025	17.0	42	4.8	6.4	18*
APR.						
19...	1015	18.5	36	6.6	7.9	>600
MAY						
23...	0750	20.0	34	6.2	7.9	160
JUNE						
26...	0910	24.0	38	5.8	6.4	140

PEE DEE RIVER BASIN

02133050 LITTLE PEE DEE RIVER NEAR NICHOLS, S.C.

LOCATION.--Lat 34°12'30", long 79°10'20", Marion County, at bridge on U.S. Highway 76, 1.0 mi (1.6 km) upstream from Lumber River, 1.3 mi (2.1 km) downstream from Seaboard Coast Line Railroad bridge, 2.3 mi (3.7 km), southwest of Nichols, and at mile 59.0 (94.9 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	CULI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1530	27.0	35	6.6	7.1	--
SEP.						
20...	0935	23.0	50	6.1	7.1	43
OCT.						
12...	1320	18.0	38	6.1	8.2	--
NOV.						
14...	1240	15.5	40	--	9.4	83
DEC.						
12...	1015	11.0	48	6.0	7.9	220
JAN., 1973						
23...	1300	9.0	50	6.0	10.5	46*
FEB.						
21...	1300	8.0	41	5.8	13.6	76
MAR.						
13...	1015	17.0	40	5.6	7.6	110
APR.						
19...	1035	19.0	35	6.2	8.0	46*
MAY						
23...	0830	20.5	34	6.5	8.0	130
JUNE						
26...	0925	24.0	38	5.8	6.4	140

*Value based on non-ideal colony count.

02134900 LUMBER RIVER AT NICHOLS, S.C.

LOCATION.--Lat 34°13'40", long 79°08'00", Marion County, at bridge on U.S. Highway 76, 1.0 mi (1.6 km) southeast of Nichols, 3.0 mi (4.8 km) downstream from Seaboard Coast Line Railroad bridge, 4.3 mi (6.9 km) upstream from Old River, and at mile 4.8 (7.7 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1515	30.0	95	6.8	7.1	--
SEP.						
20...	0950	26.5	115	6.3	6.9	23
OCT.						
12...	1305	18.0	80	6.0	7.5	54
NOV.						
14...	1225	16.0	96	6.9	9.2	92
DEC.						
12...	1350	11.0	73	5.7	8.6	140
JAN., 1973						
23...	1330	10.5	56	5.9	9.7	12*
FEB.						
21...	1330	9.5	46	6.1	11.2	24*
MAR.						
13...	1345	17.0	45	6.0	7.2	15*
APR.						
19...	1100	19.5	--	5.6	7.6	130
MAY						
23...	0915	20.5	56	6.3	7.7	72
JUNE						
26...	0950	26.3	55	6.2	6.8	73

PEE DEE RIVER BASIN

02134950 LITTLE PEE DEE RIVER NEAR GAPWAY, S.C.

LOCATION.--Lat 34°09'40", long 79°12'30", Marion County, at bridge on State Highway 917, 2.4 mi (3.9 km) east of Gapway, 5.4 mi (8.7 km) upstream from Bass Lake, 6.3 mi (10.1 km) downstream from Lumber River, and at mile 51.8 (83.3 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1335	28.0	71	6.7	7.0	--
SEP.						
20...	0850	24.5	85	5.7	7.0	55
OCT.						
12...	1050	18.0	78	6.4	8.5	73
NOV.						
14...	1010	16.0	65	6.9	9.1	55
DEC.						
12...	1625	12.0	65	6.6	8.3	150
JAN., 1973						
23...	1315	9.0	54	5.8	10.4	13*
FEB.						
21...	1630	8.0	44	5.8	11.3	--
MAR.						
13...	0955	16.5	44	5.8	7.6	45
APR.						
19...	1500	20.5	34	5.8	7.9	94
MAY						
23...	0845	21.0	50	6.4	7.8	68
JUNE						
26...	1510	25.0	50	6.2	6.0	140

*Value based on non-ideal colony count.

02134970 PLEASANT MEADOW SWAMP NEAR LORIS, S.C.

LOCATION.--Lat 34°06'30", long 79°00'10", Horry County, at bridge on State Highway 410, 2.6 mi (4.2 km) upstream from Mitchell Swamp, and 5.7 mi (9.2 km) west of Loris.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1415	26.0	170	6.6	4.4	200
SEP.						
20...	1030	22.5	280	5.9	2.4	260
OCT.						
12...	1200	15.0	200	6.0	4.0	27
NOV.						
14...	1040	18.0	160	6.3	6.2	560
DEC.						
12...	1425	11.5	140	6.2	7.0	370
JAN., 1973						
23...	1615	12.5	65	6.4	8.5	46 *
FEB.						
21...	1450	9.0	70	5.9	13.1	96
MAR.						
13...	0930	16.0	80	6.1	6.7	100
APR.						
19...	1300	23.0	80	6.3	7.0	370
MAY						
23...	0945	20.0	110	6.4	3.7	600
JUNE						
26...	1320	23.0	75	6.3	5.8	100

PEE DEE RIVER BASIN

02134975 HUGGINS SWAMP AT GREEN SEA, S.C.

LOCATION.--Lat 34°08'20", long 78°55'00", Horry County, at bridge on State Highway 410, 0.9 mi (1.4 km) upstream from Iron Spring Swamp, and 0.9 mi (1.4 km) south of Green Sea.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1445	25.5	130	6.9	2.9	--
SEP.						
20...	1040	22.5	140	5.5	1.9	680
NOV.						
14...	1050	15.0	110	6.5	2.5	80
DEC.						
12...	1415	11.5	120	6.0	7.5	340
JAN., 1973						
23...	1425	11.0	75	6.5	9.2	--
FEB.						
21...	1410	9.0	60	6.1	13.0	25 *
MAR.						
13...	0920	17.0	72	6.0	5.3	160
APR.						
19...	1315	20.5	60	6.2	6.5	280
MAY						
23...	0930	18.5	75	6.3	3.6	35 *
JUNE						
26...	1335	23.5	58	6.0	5.4	--

*Value based on non-ideal colony count.

PEE DEE RIVER BASIN

02134980 MITCHELL SWAMP NEAR LORIS, S.C.

LOCATION.--Lat 34°05'00", long 79°03'10", Horry County, at bridge on State Highway 917, 1.1 mi (1.8 km) upstream from Pleasant Meadow Swamp, 1.2 mi (1.9 km) downstream from Long Branch, and 8.2 mi (13.2 km) west of Loris.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1400	25.0	130	6.9	2.9	--
SEP.						
20...	1010	22.0	375	5.4	3.3	330
NOV.						
14...	1030	16.0	220	6.5	3.3	190
DEC.						
12...	1550	11.5	110	6.0	7.7	190
JAN., 1973						
23...	1405	11.5	80	6.4	9.7	65 *
FEB.						
21...	1430	10.5	56	6.0	12.8	45 *
MAR.						
13...	0940	17.0	75	6.1	6.8	110
APR.						
19...	1400	22.0	65	6.3	6.7	45 *
MAY						
23...	0915	19.0	88	6.5	3.0	110
JUNE						
26...	1410	23.0	53	5.9	3.8	--

PEE DEE RIVER BASIN

02135000 LITTLE PEE DEE RIVER AT GALIVANTS FERRY, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry County, at gaging station near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mi (1.6 km) downstream from Lake Swamp, and at mile 41.7 (67.1 km).

DRAINAGE AREA.--2,790 mi^2 (7230 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1950 to September 1951, July 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
12...	1030	19.0	930	80	6.5	8.4	69
NOV.							
14...	0945	14.0	1060	80	6.6	9.7	86
DEC.							
12...	1400	12.0	4020	30	5.7	7.0	73
JAN.							
23...	1335	0.0	7090	50	6.0	10.9	--
FEB.							
21...	1615	9.0	10400	48	5.5	12.5	16 *
MAR.							
13...	1700	13.0	11700	58	6.0	9.4	36
APR.							
19...	1430	20.5	10300	37	5.6	7.7	110
MAY							
23...	1200	22.5	1760	51	6.4	7.4	64
JUNE							
26...	1450	25.0	5420	50	5.9	6.2	80
JULY							
25...	1535	26.5	2120	48	6.1	6.4	66

*Value based on non-ideal colony count.

02135200 PEE DEE RIVER NEAR CONWAY, S.C.

LOCATION.--Lat 33°39'30", long 79°09'17", Horry County, at bridge on U.S. Highway 701, 0.5 mi (0.8 km) upstream from Bull Creek, 3.4 mi (5.5 km) downstream from Conch Creek, 13.7 mi (22.0 km) southwest of Conway, and at mile 28.3 (45.5 km).

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1971, December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
12...	1500	23.0	190	6.7	8.6	**
NOV.						
15...	1030	15.0	80	6.8	8.8	**
DEC.						
13...	1325	14.0	80	6.7	9.1	150
JAN.						
24...	0950	8.0	70	6.7	11.2	55
FEB.						
22...	1420	8.0	50	6.3	11.7	10*
MAR.						
14...	0900	16.0	60	6.6	7.8	36
APR.						
20...	1130	19.0	44	6.2	6.7	100
MAY						
23...	1115	22.5	45	6.5	7.0	11*
JUNE						
27...	0930	24.5	40	6.0	6.9	28
JULY						
26...	0715	26.0	50	7.0	--	10*

PEE DEE RIVER BASIN

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at gaging station at bridge on U.S. Highway 15, 0.1 mi (0.2 km) downstream from Beaverdam Creek, 0.9 mi (1.4 km) upstream from Seaboard Coast Line Railroad bridge, and 5.8 mi (9.3 km) southwest of Bishopville.

DRAINAGE AREA.--70 mi^2 (180 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.
Sediment records: October 1970 to September 1973 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.							
26...	0930	15.5	[illegible]	32	5.3	5.7	5600
NOV.							
30...	1045	7.0	117	30	5.3	9.6	48
DEC.							
20...	1350	13.5	150	34	5.3	10.3	--
JAN.							
30...	1035	4.5	333	34	5.5	12.0	110
FEB.							
15...	1315	7.5	343	33	5.1	12.5	54
MAR.							
09...	1110	15.0	287	34	5.4	9.6	42
APR.							
10...	1200	15.0	456	31	5.4	5.0	16 *
MAY							
07...	1110	10.0	87	34	5.3	8.4	36
JUNE							
12...	1020	25.0	144	34	5.4	5.6	100
SEP.							
24...	1115	23.0	30	35	5.5	7.3	150

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*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)
OCT. 26...	0930	15.5	86	60	31	4.8	2	0	.00	.00	5	3
JAN. 30...	1030	4.0	222	70	28	4.7	0	0	--	--	6	6
FEB. 15...	1315	7.5	388	50	23	4.2	1	0	--	--	5	4
MAR. 08...	1110	15.0	281	80	24	5.0	1	0	--	--	5	4
APR. 10...	--	--	--	100	22	4.9	0	0	--	--	5	5
10...	1200	15.0	456	--	--	--	--	--	--	--	--	--
MAY 07...	1110	19.0	57	180	25	5.5	2	0	--	--	5	3
JUNE 14...	1020	25.0	144	--	--	--	--	--	--	--	--	--
SEP. 24...	1115	23.0	34	100	31	5.4	6	0	--	--	4	0

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
OCT. 26...	.7	.7	3.1	.6	56	.6	4.5	2.2	.1	10	.05	23
JAN. 30...	1.1	.7	4.0	.6	61	.5	4.0	4.0	.1	1.7	--	31
FEB. 15...	1.2	.5	2.3	.4	44	1.0	5.0	1.6	.2	3.5	--	29
MAR. 08...	1.0	.5	2.3	.5	50	.4	3.7	2.4	.2	.4	--	39
APR. 10...	1.2	.5	2.1	.4	43	.7	4.0	.8	.1	1.4	--	31
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 07...	1.3	.5	2.4	.5	52	.5	3.5	.8	.2	5.5	--	36
JUNE 14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	.9	.4	3.6	.4	63	.6	6.0	3.0	.0	10	--	--

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)
OCT. 26...	23	5.22	.03	--	--	--	132	--	--	--	--	--
JAN. 30...	17	18.6	.04	--	--	--	--	--	--	0	--	--
FEB. 15...	14	24.4	.04	0	0	10	130	0	20	60	30	0
MAR. 08...	11	27.1	.05	--	--	--	--	--	--	70	--	--
APR. 10...	13	--	.04	--	--	--	--	--	--	20	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 07...	16	5.54	.05	--	--	--	--	--	--	40	--	--
JUNE 14...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 24...	28	2.95	.04	--	--	--	940	--	50	--	--	--

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DATE	TIME	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT. 26...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT. 26...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT. 26...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DATE	TIME	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TOTAL [illegible]	TOTAL [illegible]
OCT. 26...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

INSTANTANEOUS SUSPENDED SEDIMENT, APRIL TO SEPTEMBER 1973

DATE	TIME	DISCHARGE (CFS)	CONCEN-TRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR 27, 1973	1045	22800	32	1970
MAY 30......	1130	17500	17	803
SEPT 20......	1130	24000	18	1170

02135500 BLACK RIVER NEAR GABLE, S.C.

LOCATION.--Lat 33°54'00", long 80°09'55", Clarendon County, near left bank on downstream side of McBride Crossing on U.S. Highway 378, 1 mi (1.6 km) downstream from Church Branch, 6.3 mi (10.1 km) northwest of Gable, and at mile 123.1 (198.1 km).

DRAINAGE AREA.--401 mi² (1,039 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
20...	0945	27.0	610	40	5.5	5.0	180
AUG.							
30...	1350	26.5	406	44	5.7	5.3	260
SEP.							
19...	1130	24.0	512	78	5.8	4.5	620
OCT.							
17...	1035	15.5	320	30	5.6	7.2	70
NOV.							
30...	1130	7.0	861	60	--	10.2	70
DEC.							
20...	1310	10.5	1500	40	5.0	10.2	--
JAN., 1973							
23...	0945	10.0	1450	40	6.4	9.1	22 *
FEB.							
15...	1215	6.0	3910	47	6.4	10.2	82
MAR.							
14...	1300	10.0	1460	50	--	6.4	84
APR.							
10...	1115	15.0	2400	46	6.5	9.[illegible]	35 *
MAY							
07...	1040	19.0	315	52	6.2	6.7	76
JUNE							
19...	0945	25.0	1640	63	6.2	5.1	100
JULY							
26...	1610	--	270	54	6.6	--	110

02135600 POCOTALIGO RIVER NEAR SUMTER, S.C.

LOCATION.--Lat 33°48'15", long 80°17'25", Sumter County, at bridge on Sumter County Highway 32, 0.3 mi (0.5 km) downstream from Briar Branch, 8.0 mi (12.9 km) south of Sumter, and at mile 18.2 (29.3 km).

DRAINAGE AREA.--185 mi² (480 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1971 to September 1973 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
13...	1035	--	110	6.5	3.3	8 *
NOV.						
30...	1225	8.5	110	6.2	3.6	>400
DEC.						
29...	1130	10.0	95	6.5	4.7	--
JAN.						
24...	1250	10.0	70	7.0	0.7	78
FEB.						
15...	1000	7.0	68	6.6	7.3	30
MAR.						
14...	1235	10.0	85	5.9	2.6	22 *
APR.						
10...	1000	16.5	58	6.0	3.7	7[illegible]
MAY						
07...	0930	18.0	45	6.0	1.7	18
JUNE						
18...	0800	25.0	65	6.0	1.3	80
JULY						
26...	1335	25.0	110	6.6	--	68
SEP.						
06...	0835	26.5	105	6.5	2.6	15 *

*Value based on non-ideal colony count.

PEE DEE RIVER BASIN

02135610 POCOTALIGO RIVER NEAR MANNING, S.C.

LOCATION.--Lat 33°42'30", long 81°11'50", Clarendon County, at bridge on U.S. Highways 301-521, 0.1 mi (0.2 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) north of Manning, and at mile 9.8 (15.8 km).

DRAINAGE AREA.--307 mi² (795 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
13...	1000	17.0	[illegible]	[illegible]	[illegible]	100
NOV.						
30...	1155	7.5	80	7.6	9.1	150
DEC.						
29...	1215	9.5	56	6.4	9.2	--
JAN.						
24...	1225	10.0	70	7.0	10.0	64
FEB.						
15...	1115	6.5	42	6.4	10.4	50
MAR.						
14...	1200	20.5	56	6.2	6.3	68
APR.						
10...	1020	5.0	38	6.1	9.0	72
MAY						
07...	1000	19.5	40	6.4	8.2	78 *
JUNE						
18...	0915	27.0	44	6.[illegible]	[illegible]	28
JULY						
2[illegible]...	1315	28.0	38	6.4	--	70

PEE DEE RIVER BASIN

02136000 BLACK RIVER AT KINGSTREE, S.C.

LOCATION.--Lat 33°39'40", long 79°50'16", Williamsburg County, at gaging station on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mi (1.6 km) downstream from Kingstree Swamp Canal, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,260 mi² (3,260 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1962 to September 1966, July 1972 TO JULY 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
20...	0825	26.5	618	66	6.6	6.0	--
AUG.							
29...	1315	25.5	630	70	6.6	6.6	570
SEP.							
20...	0845	26.5	171	100	6.3	6.7	--
OCT.							
12...	1400	21.0	178	92	6.7	11.2	100
NOV.							
15...	1215	15.5	104	90	6.0	9.7	--
DEC.							
12...	1010	14.0	1070	90	6.1	9.1	100
JAN., 1973							
26...	1145	10.0	2400	90	6.5	9.2	91
FEB.							
22...	1045	5.5	7930	50	6.1	10.3	18*
MAR.							
14...	1115	10.0	3930	60	6.4	6.0	120
APR.							
20...	1000	20.0	2560	56	6.4	7.0	36*
MAY							
24...	0710	21.0	590	56	6.[illegible]	7.4	41
JUNE							
27...	0825	24.0	3640	56	6.4	5.0	110
JULY							
26...	1145	26.0	405	68	6.9	--	128

*Value based on non-ideal colony count.

02136030 BLACK RIVER NEAR ANDREWS, S.C.

LOCATION.--Lat 33°29'20", long 79°32'40", Georgetown County, at bridge on State Highway 41, 1.2 mi (1.9 km) downstream from Seaboard Coast Line Railroad bridge, 2.8 mi (4.5 km) north of Andrews, and at mile 48.5 (78.0 km).

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
12...	1000	23.0	92	6.8	9.1	**
NOV.						
15...	1135	16.5	110	6.9	8.4	**
DEC.						
13...	1200	15.5	85	6.2	8.5	110
JAN.						
24...	1115	10.0	70	6.6	10.4	410 *
FEB.						
22...	1355	7.0	44	6.1	11.6	9 *
MAR.						
14...	1030	18.0	56	6.7	7.3	34
APR.						
20...	1030	20.0	46	6.2	7.1	32
MAY						
24...	0750	22.0	56	6.6	6.8	41
JUNE						
27...	1045	25.0	45	6.4	5.1	62
JULY						
26...	0845	27.0	68	7.0	--	8 *

02136360 PENNEYROYAL CREEK NEAR GEORGETOWN, S.C.

LOCATION.--Lat 33°20'20", long 79°22'02", Georgetown County, at water-stage recorder at bridge on county road 42, 4.0 mi (6.4 km) southwest of Georgetown, and at mile 2.8 (4.5 km).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972						
19...	0830	26.5	240	6.2	3.3	400
AUG.						
29...	1100	27.5	5000	7.6	5.7	170
SEP.						
20...	1010	27.0	--	6.3	5.1	280
OCT.						
12...	1230	23.0	13000	6.6	8.2	98
NOV.						
15...	1115	17.0	10500	6.1	6.2	220
DEC.						
13...	1410	15.5	500	5.8	6.8	720
JAN., 1973						
24...	1045	10.0	110	6.1	9.2	130
FEB.						
22...	1515	10.0	110	6.2	10.0	56
MAR.						
14...	1010	17.5	110	6.1	6.6	200
APR.						
20...	1220	22.5	220	6.6	5.6	74
MAY						
24...	0840	24.0	440	6.6	4.8	70
JUNE						
27...	1015	25.0	170	6.7	4.6	76
JULY						
26...	0810	--	310	6.8	--	140

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02136362 TURKEY CREEK NEAR GEORGETOWN, S.C.

LOCATION.--Lat 33°20'00", long 79°20'21", Georgetown County, at water-stage recorder at bridge on county road 42, 2.6 mi (4.2 km) upstream from the mouth, and 4.0 mi (6.4 km) southwest of Georgetown.

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972						
19...	0920	23.5	64	5.5	7.2	25
AUG.						
29...	1045	24.0	200	6.6	7.5	20
SEP.						
20...	1030	24.0	140	6.8	7.1	46
OCT.						
12...	1215	20.0	260	7.4	9.1	670 *
NOV.						
15...	1105	14.0	500	7.0	9.1	--
DEC.						
13...	1400	16.0	110	5.5	9.2	120
JAN., 1973						
24...	1030	9.0	70	5.7	9.5	180
FEB.						
22...	1500	11.0	75	6.2	11.1	68 *
MAR.						
14...	1000	16.0	95	6.6	6.7	220
APR.						
20...	1215	22.5	85	6.4	5.3	170
MAY						
24...	0830	24.0	380	7.7	6.6	80
JUNE						
27...	1000	25.0	110	6.3	5.9	120
JULY						
26...	0755	24.0	240	7.5	--	170

SANTEE RIVER BASIN

02145680 CROWDERS CREEK NEAR CLOVER, S.C.

LOCATION.--Lat 35°06'39", long 81°05'17", York County, at bridge on State Highways 49-274, 1.7 mi (2.7 km) downstream from Beaverdam Creek, 7.9 mi (12.7 km) east of Clover, and at mile 2.7 (4.3 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
20...	1035	16.0	140	7.2	10.0	37
NOV.						
29...	1045	10.0	180	7.3	7.9	300
DEC.						
07...	1050	12.0	220	7.3	6.8	>1000
JAN.						
18...	1050	5.0	200	7.2	10.4	480
FEB.						
08...	1050	10.5	125	6.9	11.1	460
MAR.						
09...	1205	13.5	165	7.1	9.4	1200 *
APR.						
12...	1315	15.0	180	7.0	9.1	630
MAY						
09...	1230	22.0	110	7.1	9.6	13 *
JUNE						
19...	1150	27.0	95	7.4	9.3	27 *

*Value based on non-ideal colony count.

SANTEE RIVER BASIN

02145[illegible]50 ALLISON CREEK NEAR CLOVER, S.C.

LOCATION.--Lat 35°03'44", long 81°[illegible]7'27", York County, at bridge on State Highway 49, [illegible].1 mi (1.[illegible] km) upstream from Big Branch, [illegible] mi (11.1 km) southeast of Clover, and at mile 5.6 ([illegible].0 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 197[illegible] TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
[illegible]0...	[illegible]050	9.5	[illegible]	7.3	1[illegible].4	[illegible]60
NOV.						
29...	1[illegible]0[illegible]	[illegible].5	75	[illegible]	7.[illegible]	>10[illegible]0
DEC.						
07...	1115	11.0	80	7.4	7.4	320
JAN.						
18...	1105	5.5	75	7.4	12.2	430
FEB.						
08...	1115	9.5	70	7.1	10.[illegible]	>1000
MAR.						
0[illegible]...	1220	13.0	65	7.4	10.0	310 *
APR.						
12...	1555	1[illegible].0	65	7.[illegible]	9.[illegible]	220
MAY						
09...	12[illegible]0	16.5	7[illegible]	7.1	8.[illegible]	170
JUNE						
19...	1220	22.0	[illegible]6	7.1	8.4	150

SANTEE RIVER BASIN

02145770 ALLISON CREEK NEAR NEWPORT, S.C

LOCATION.--Lat 35°02'57", long 81°0[illegible]'[illegible]4", York County, at bridge on State Highway 27[illegible], 1.1 mi (1.8 km) downstream from Big Branch, 4.[illegible] mi (6.8 km) north of Newport, and at mile 3.4 (5.5 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	1025	16.0	85	7.2	9.8	**
NOV.						
29...	1120	10.5	85	7.1	6.6	>750
DEC.						
07...	1140	12.0	85	7.3	7.1	570
JAN.						
18...	1035	5.0	75	7.4	10.8	86
FEB.						
08...	1135	10.0	58	7.0	10.6	260 *
MAR.						
09...	1155	14.0	60	7.2	11.3	100
APR.						
12...	1410	15.0	68	6.9	9.6	280
MAY						
09...	1255	22.0	65	7.2	9.3	58
JUNE						
19...	1245	28.0	60	7.5	8.[illegible]	55

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat 34°59'06", long 80°58'27", York County, at gaging station on right bank at downstream side of bridge on U.S. Highway 21, 3.5 mi (5.6 km) downstream from Lake Wylie Dam, 5.0 mi (8.0 km) northeast of Rock Hill, 7.5 mi (12.1 km) upstream from Sugar Creek, and at mile 137.6 (221.4 km).

DRAINAGE AREA.--3,050 mi^2 (7900 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1962, October 1970 to June 1973 (discontinued).
Water temperatures: October 1957 to September 1962, October 1970 to June 1973.

EXTREMES, 1970-71.--Water temperatures: Maximum, 29.5 C July 28, Aug. 19, 1971; minimum, 3.5 C Feb. 14, 1971.

CHEMICAL ANALYSES, JULY 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
14...	1015	25.5	3080	68	6.7	6.2	--
AUG.							
25...	0930	26.5	933	76	6.5	5.0	--
SEP.							
26...	1000	25.5	[illegible]	95	6.3	6.0	600
OCT.							
20...	1115	14.0	12000	110	7.0	9.2	[illegible]0*
NOV.							
29...	1230	[illegible]	[illegible]	90	6.0	[illegible]	[illegible]
DEC.							
07...	1010	12.0	[illegible]	95	[illegible]	[illegible]	--
JAN., 1973							
18...	[illegible]	7.5	9170	90	7.2	11.2	93
FEB.							
08...	1000	[illegible]	11300	75	7.0	10.4	58
MAR.							
09...	1250	11.0	[illegible]	75	7.6	11.6	56
APR.							
12...	1150	17.0	12600	62	6.0	8.6	120
MAY							
09...	1235	20.0	9200	64	6.2	7.0	--
JUNE							
19...	1040	24.0	[illegible]	65	6.6	5.0	120

SANTEE RIVER BASIN

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, at bridge on State Highway 5, 200 ft (61 m) upstream from Twelvemile Creek, 0.1 mi (0.2 km) upstream from gaging station and Seaboard Coast Line Railroad bridge, 2.4 mi (3.9 km) east of Catawba, and at mile 122.8 (197.6 km).

DRAINAGE AREA.--3,530 mi^2 (9140 km^2), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
20...	1140	17.5	5910	100	7.3	10.6	240
NOV.							
29...	1200	11.5	9910	120	6.7	6.4	1000
DEC.							
07...	1215	12.0	8000 **	95	7.3	7.6	780
JAN.							
18...	1205	7.5	5600 **	100	7.4	11.4	1100
FEB.							
08...	1230	11.0	11300	85	7.1	11.2	600
MAR.							
09...	1318	11.5	10700	85	7.3	11.1	370
APR.							
12...	1055	16.0	1700	82	7.4	8.6	>2000
MAY							
09...	1125	20.0	10800	75	5.8	7.6	300
JUNE							
19...	0950	24.0	6820	73	6.7	6.9	480

* Value based on non-ideal colony count.
** Mean daily discharge.

02147250 CANE CREEK NEAR LANCASTER, S.C.

LOCATION.--Lat 34°42'00", long 80°50'20", Lancaster County, at bridge on County Highway 50, 1.5 mi (2.4 km) upstream from Rum Creek, 4.0 mi (6.4 km) west of Lancaster, and at mile 3.6 (5.8 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
26...	0920	13.0	240	6.9	4.3	10000*
NOV.						
22...	1255	9.5	--	6.7	9.2	4700
DEC.						
07...	1340	12.0	110	7.2	6.6	5600
JAN.						
18...	1315	5.5	90	7.3	11.2	660
FEB.						
08...	1400	11.0	90	6.9	9.6	260*
MAR.						
09...	1335	14.0	80	6.8	9.5	5100
APR.						
12...	1000	15.0	82	6.9	8.5	240*
MAY						
09...	1100	18.0	160	7.0	4.9	340*
JUNE						
19...	0915	23.0	120	6.9	5.4	940

SANTEE RIVER BASIN

02147255 RUM CREEK NEAR LANCASTER, S.C.

LOCATION.--Lat 34°40'40", long 80°48'00", Lancaster County, at bridge on State Highway 200, 3.2 mi (5.1 km) southwest of Lancaster, and 4.8 mi (7.7 km) upstream from Cane Creek.

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
26...	0900	12.5	150	7.0	9.6	>2000
NOV.						
22...	1240	8.0	--	7.1	11.0	**
DEC.						
07...	1400	12.0	110	7.0	9.0	520
JAN.						
18...	1300	7.0	95	7.0	11.5	120**
FEB.						
08...	1420	11.5	95	7.2	10.7	740
MAR.						
09...	1350	14.0	95	6.6	10.2	500*
APR.						
12...	0900	13.5	100	7.1	10.6	260*
MAY						
09...	0950	19.5	105	7.2	8.8	--
JUNE						
19...	0900	21.0	120	7.2	8.2	1100

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02147350 FISHING CREEK AT LANDO, S.C.

LOCATION.--Lat 34°46'30", long 81°00'20", Chester County, at bridge on State Highway 901, at Lando, 2.3 mi (3.7 km) downstream from Seaboard Coast Line Railroad bridge, and at mile 23.1 (37.2 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	0945	13.0	140	7.7	10.5	1340
NOV.						
29...	1420	9.5	110	6.9	7.5	370
DEC.						
07...	1230	12.5	140	7.5	7.6	1200
JAN.						
18...	0955	4.5	100	7.4	12.9	1000
FEB.						
08...	1600	10.5	90	7.2	9.8	420
MAR.						
09...	1115	13.5	100	7.2	10.8	1500
APR.						
12...	1515	14.5	85	7.4	10.8	380
MAY						
09...	1330	21.0	115	7.4	9.1	6700
JUNE						
19...	1420	24.0	110	7.3	8.5	7200

SANTEE RIVER BASIN

02147490 ROCKY CREEK NEAR GREAT FALLS, S.C.

LOCATION.--Lat 34°35'20", long 80°56'30", Chester County, at bridge on State Highway 97, 2.3 mi (3.7 km) upstream from Turkey Branch, 2.4 mile (3.9 km) upstream from gaging station, 2.4 mi (3.9 km) northwest of Great Falls, and at mile 4.2 (6.8 km).

DRAINAGE AREA.--194 mi^2 (502 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	1215	11.0	120	6.9	10.0	310
NOV.						
22...	1320	8.5	--	6.8	11.8	440
DEC.						
07...	1430	12.0	120	7.6	7.8	620
JAN.						
18...	0925	4.0	75	7.3	11.8	330
FEB.						
08...	1530	11.5	80	7.4	11.5	110
MAR.						
09...	1045	13.0	80	7.0	10.2	420
APR.						
12...	1550	15.0	77	7.3	10.2	680
MAY						
09...	1350	22.0	110	7.6	9.2	16*
JUNE						
19...	1500	23.5	95	7.3	8.0	--

*Value based on non-ideal colony count.

02147500 ROCKY CREEK AT GREAT FALLS, S.C.

LOCATION.--Lat 34°33'45" long 80°55'00", Chester County, at gaging station on left bank 350 ft (107 m) downstream from Turkey Branch, 1 mi (1.6 km) west of Great Falls, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--194 mi² (502 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
14...	1240	26.0	55 **	120	7.8	8.7	--
AUG.							
25...	0710	23.0	60 **	110	7.3	7.6	5000
SEP.							
21...	0745	20.0	28 **	130	7.1	7.1	20000
OCT.							
20...	1240	11.0	20 **	110	7.4	11.7	1150
NOV.							
22...	1340	8.0	56 **	--	6.9	12.4	500
DEC.							
07...	0920	11.5	446	100	7.3	6.9	1000
JAN., 1973							
18...	0820	3.5	462	70	7.4	12.0	580
FEB.							
08...	1620	11.5	192	75	7.4	10.6	580
MAR.							
09...	1130	13.5	272	95	7.2	9.7	320
APR.							
12...	1600	17.0	229	70	7.3	10.5	310
MAY							
09...	0850	14.5	99	100	7.5	8.3	130
JUNE							
19...	0820	21.5	140	88	6.9	7.6	70 *

SANTEE RIVER BASIN

02147680 BEAVER CREEK NEAR LIBERTY HILL, S.C.

LOCATION.--Lat 34°27'47", long 80°45'40", Kershaw County, at bridge on County Highway 13, 1.3 mi (2.1 km) downstream from Little Beaver Creek, 2.4 mi (3.9 km) east of Liberty Hill, and 3.0 mi (4.8 km) upstream from Wateree Lake.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
28...	1010	23.5	72	7.2	8.1	350
SEP.						
21...	1015	17.5	84	6.8	8.5	--
OCT.						
26...	1000	14.5	70	7.1	11.6	530
NOV.						
22...	1045	7.0	--	6.2	10.9	440
DEC.						
11...	0945	15.5	65	7.1	7.1	>2000
JAN., 1973						
18...	0855	4.0	48	7.2	12.6	140
FEB.						
20...	1030	7.0	44	7.2	11.7	65
MAR.						
12...	1125	16.5	46	6.4	9.4	200
APR.						
18...	1000	16.0	52	6.9	9.6	350
MAY						
22...	0750	--	57	6.9	9.0	190
JUNE						
25...	0945	22.5	58	6.6	7.8	85*

*Value based on non-ideal colony count.

**Mean daily discharge.

02148000 WATEREE RIVER NEAR CAMDEN, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, at gaging station at bridge on U.S. Highway 1, 1,500 ft (457 m) downstream from Twentyfivemile Creek, 4,000 ft (1220 m) upstream from Seaboard Coast Line Railroad bridge, 2.2 mi (3.5 km) west of Camden, 7.4 mi (11.9 km) downstream from Wateree Dam, and at mile 68.8 (110.7 km).

DRAINAGE AREA.--5,070 mi^2 (13,100 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1946 to September 1947, December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 11...	0930	21.5	8010	125	6.9	8.7	16 *
NOV. 10...	1030	16.0	6240	90	7.5	9.5	23
DEC. 21...	1100	11.0	15000	--	7.1	8.4	>200
JAN. 16...	0950	5.5	6220	80	6.7	12.0	97
FEB. 09...	1130	--	16800	75	6.7	--	85
MAR. 16...	0950	17.0	14000	75	6.9	8.8	35 *
APR. 11...	1040	14.0	19800	61	6.7	9.8	86
MAY 08...	1010	19.0	8230	90	6.9	7.4	46
JUNE 08...	0920	25.0	10800	80	6.8	5.6	230
JULY 23...	1215	32.0	9290	93	7.0	4.5	210

SANTEE RIVER BASIN

02148040 BIG PINE TREE CREEK NEAR CAMDEN, S.C.

LOCATION.--Lat 34°17'10", long 80°31'10", Kershaw County, at bridge on County Highway 15, 2.7 mi (4.3 km) downstream from Seaboard Coast Line Railroad bridge, 5.3 mi (8.5 km) east of Camden, 7.1 mi (11.4 km) upstream from Hermatige Mill Pond, and at mile 11.8 (19.0 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972 29...	1010	26.5	27	5.8	6.3	--
SEP. 18...	1150	24.5	18	5.8	7.6	36
OCT. 11...	0850	18.0	20	5.8	10.2	25 *
NOV. 10...	1000	15.0	--	5.7	10.0	40
DEC. 21...	1025	8.0	40	5.7	12.0	--
JAN., 1973 16...	1035	5.5	20	5.9	12.2	--
FEB. 09...	1035	--	22	6.8	--	--
MAR. 16...	1010	24.0	24	6.0	8.9	14 *
APR. 11...	1000	13.0	18	5.8	9.8	16 *
MAY 08...	0915	21.0	17	6.0	8.3	6 *
JUNE 08...	0850	26.5	17	6.8	7.1	6 *

*Value based on non-ideal colony count.

02148042 UNNAMED TRIBUTARY TO BIG PINE TREE CREEK NEAR CAMDEN, S.C.

LOCATION.--Lat 34°16'30", long 80°31'20", Kershaw County, at swimming area of pond at end of County Highway 450, 0.1 mi (0.2 km) upstream from Big Pine Tree Creek, and 5.2 mi (8.4 km) east of Camden.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	0940	25.5	21	5.4	4.8	50
SEP.						
18...	1130	25.0	20	5.5	5.4	29
OCT.						
11...	0840	17.0	21	5.5	8.1	26
NOV.						
10...	0940	14.0	30	5.8	7.9	280
DEC.						
21...	1000	8.5	50	5.9	11.2	--
JAN., 1973						
16...	1025	6.0	20	5.6	11.9	--
FEB.						
09...	1015	--	26	6.4	--	--
MAR.						
16...	1030	24.0	23	5.5	9.4	12*
APR.						
11...	0925	11.5	20	7.1	10.1	--
MAY						
08...	0855	19.5	22	5.7	7.5	7*
JUNE						
08...	0830	25.5	22	5.4	4.9	48*

02148055 BIG PINE TREE CREEK BELOW CAMDEN, S.C.

LOCATION.--Lat 34°14'30", long 80°36'20", Kershaw County, at bridge on U.S. Highway 521, 0.9 mi (1.4 km) downstream from Southern Railroad bridge, 1.8 mi (2.9 km) south of Camden, 2.8 mi (4.5 km) downstream from Hermitage Mill Pond, and at mile 1.9 (3.1 km).

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
11...	0820	17.5	34	5.9	9.0	260
NOV.						
10...	0920	13.0	30	6.6	7.0	120
DEC.						
21...	0938	9.0	70	6.1	9.5	220
JAN.						
16...	1005	6.0	26	6.2	12.0	120*
FEB.						
09...	0945	--	38	7.1	--	120
MAR.						
14...	1050	21.5	30	5.9	6.4	160*
APR.						
11...	0900	11.0	60	6.2	6.2	1500
MAY						
08...	0830	20.0	22	6.1	6.2	170
JUNE						
08...	0815	25.0	25	5.9	5.2	90
JULY						
23...	1300	30.0	26	6.0	5.1	83

*Value based on non-ideal colony count

02148155 SPEARS CREEK AT COUNTY HIGHWAY 102 NEAR ELGIN, S.C.

LOCATION.--Lat 34°08'50", long 80°47'10", Kershaw County, at bridge on County Highway 102, 1.7 mi (2.7 km) south of Elgin, and 4.9 mi (7.9 km) upstream from Haigs Creek.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972 29...	1205	21.5	26	5.4	7.9	180
SEP. 18...	1445	21.5	26	5.2	7.8	500
OCT. 11...	1115	16.5	20	5.6	10.2	150
NOV. 10...	0900	11.0	24	5.5	9.3	87
DEC. 21...	1315	11.5	52	5.6	7.9	78
JAN., 1973 16...	0920	4.0	24	5.4	11.0	80
FEB. 09...	1235	--	26	5.4	--	12 *
MAR. 16...	0850	17.0	20	5.6	7.8	58
APR. 11...	1140	15.0	21	5.5	9.4	32 *
MAY 08...	1050	18.5	22	5.7	8.2	160
JUNE 08...	1015	22.0	22	5.3	6.6	160

02148157 UNNAMED TRIBUTARY TO SPEARS CREEK NEAR ELGIN, S.C.

LOCATION.--Lat 34°09'00", long 80°46'50", Kershaw County, at bridge on County Highway 336, 0.3 mi (0.5 km) upstream from Spears Creek, 1.2 mi (1.9 km) downstream from White Pond, and 1.6 mi (2.6 km) south-southeast of Elgin.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972 29...	1150	22.0	18	5.2	6.3	57
SEP. 18...	1430	22.0	20	6.1	5.8	--
OCT. 11...	1100	16.5	16	5.3	8.9	35
NOV. 10...	0815	11.0	18	5.4	8.6	30
DEC. 21...	1300	11.5	20	6.6	8.7	20
JAN., 1973 16...	0940	4.0	16	5.5	11.2	38
FEB. 09...	1215	--	22	5.6	--	2 *
MAR. 16...	0855	17.5	12	5.6	7.2	40
APR. 11...	1115	15.0	17	5.7	9.1	24
MAY 08...	1045	20.0	18	5.8	6.6	68
JUNE 08...	0945	24.5	20	5.6	.0	68

*Value based on non-ideal colony count.

02148150 SPEARS CREEK AT COUNTY HIGHWAY 367 NEAR ELGIN, S.C.

LOCATION.—Lat 34°08'10", long 80°45'50", Kershaw County, at bridge on County Highway 367, 2.8 mi (4.5 km) southeast of Elgin, and 3.2 mi (5.1 km) upstream from Haige Creek.

PERIOD OF RECORD.—Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	1140	22.0	22	5.9	8.5	200
SEP.						
18...	1500	22.5	22	5.9	7.8	770
OCT.						
11...	1125	16.0	17	6.0	11.4	100
NOV.						
10...	0750	11.0	30	5.9	9.0	110
DEC.						
21...	1340	11.0	52	5.5	9.4	100
JAN., 1973						
16...	0835	4.0	22	5.5	11.6	35*
FEB.						
09...	1250	--	26	5.4	--	88
MAR.						
16...	0840	17.5	20	5.0	7.1	160
APR.						
11...	1155	16.5	20	5.6	9.3	35
MAY						
08...	1130	19.0	20	5.9	8.2	110
JUNE						
08...	1035	21.5	22	5.4	6.6	170

SANTEE RIVER BASIN

02148160 SPEARS CREEK AT INTERSTATE HIGHWAY 20 NEAR ELGIN, S.C.

LOCATION.--Lat 34°08'00", long 80°45'40", Kershaw County at bridge on Interstate Highway 20, 3.0 mi (4.8 km) upstream from Haige Creek, and 3.1 mi (5.0 km) southeast of Elgin.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	1215	24.5	570	6.5	4.7	--
SEP.						
18...	1600	23.5	170	6.4	6.0	450
OCT.						
11...	1245	19.0	240	6.1	8.3	100
NOV.						
10...	0735	12.0	200	5.5	8.8	35
DEC.						
21...	1430	12.0	360	5.6	9.0	150
JAN., 1973						
16...	0810	4.5	80	6.1	10.6	80
FEB.						
09...	1345	--	160	6.3	--	95*
MAR.						
16...	0830	18.5	150	5.4	6.5	58
APR.						
11...	1315	15.0	160	6.0	9.1	68
MAY						
08...	1220	20.0	550	6.6	6.5	>1000
JUNE						
08...	1150	22.5	215	6.1	5.9	>1500

*Value based on non-ideal colony count.

02146200 SPEARS CREEK AT HIGHWAY 47 NEAR ELGIN, S.C.

LOCATION.--Lat 34°07'40", long 80°42'30", Kershaw County, at bridge on County Highway 47, 1.3 mi (2.1 km) upstream from McCaskill Creek, and 5.8 mi (9.3 km) southeast of Elgin.

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
11...	1015	15.0	75	5.9	10.2	40
NOV.						
10...	0845	11.0	75	6.1	8.7	260
DEC.						
21...	1330	11.0	60	5.1	8.7	75
JAN.						
16...	0845	3.5	60	5.2	12.0	30*
FEB.						
09...	1325	--	52	5.3	--	44*
MAR.						
16...	0920	10.0	38	4.7	7.0	20*
APR.						
11...	1235	14.5	34	5.6	10.5	72
MAY						
08...	1200	20.0	49	6.0	7.0	56*
JUNE						
08...	1120	22.0	45	5.3	5.1	240
JULY						
23...	1345	27.0	90	6.5	5.4	270

SANTEE RIVER BASIN

02146206 SPEARS CREEK AT U.S. HIGHWAY 601 NEAR ELGIN, S.C.

LOCATION.--Lat 34°07'40", long 80°41'20", Kershaw County, at bridge on U.S. Highway 601, 0.3 mi (0.5 km) upstream from McCaskill Creek, 1.7 mi (2.7 km) downstream from Haigs Creek, and 6.6 mi (10.6 km) southeast of Elgin.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
29...	1250	23.0	64	5.8	6.7	--
SEP.						
18...	1435	22.5	78	4.6	5.7	260
OCT.						
11...	1000	15.5	80	5.9	10.8	3 *
NOV.						
10...	0805	11.0	75	5.4	8.9	270
DEC.						
21...	1405	10.0	28	5.1	7.9	40
JAN., 1973						
16...	0930	3.5	48	5.3	12.0	130
FEB.						
09...	1335	--	46	5.4	--	33 *
MAR.						
16...	0930	19.0	36	5.9	6.4	30
APR.						
11...	1250	13.5	35	5.5	10.1	47 *
MAY						
08...	1210	20.0	46	5.9	7.2	82
JUNE						
08...	1135	23.0	45	5.4	5.3	360

*Value based on non-ideal colony count.

SANTEE RIVER BASIN

02148240 SPEARS CREEK NEAR ELGIN, S.C.

LOCATION.--Lat 34°07'40", long 80°45'20", Kershaw County, at bridge on State Highway 12, 2.4 mi (3.9 km) upstream from Haigs Creek, and 3.6 mi (5.8 km) southeast of Elgin.

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
11...	1040	16.0	110	5.8	5.3	17*
NOV.						
10...	0830	12.0	80	5.4	7.8	100
DEC.						
21...	1420	10.0	130	5.6	7.8	79
JAN.						
16...	0855	3.0	38	5.0	11.7	50*
FEB.						
09...	1310	--	60	5.7	--	24*
MAR.						
16...	0910	19.0	52	5.4	4.9	22
APR.						
11...	1215	14.5	44	5.4	7.3	100
MAY						
08...	1145	20.0	185	6.0	3.7	>600
JUNE						
08...	1100	23.0	65	5.8	3.4	150
JULY						
23...	1330	27.5	150	6.3	2.4	160

SANTEE RIVER BASIN

02148300 COLONELS CREEK NEAR LEESBURG, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, at gaging station at bridge on State Highway 262, 0.2 mi (0.3 km) above Jumping Run Creek, 1.9 mi (3.1 km) southwest of Leesburg, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--38.1 mi² (98.7 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
21...	1645	23.5	18	13	5.0	7.8	440
AUG.							
29...	1310	23.5	28	15	5.0	7.3	400
SEP.							
19...	0910	22.5	12	13	5.3	7.6	80
OCT.							
13...	1140	15.5	18	18	6.0	9.8	--
NOV.							
03...	1345	8.0	63	16	5.9	10.6	>400
DEC.							
29...	0915	7.5	50	19	5.4	11.2	--
JAN., 1973							
30...	1115	6.0	75	19	7.1	10.7	33*
FEB.							
15...	0950	9.0	144	16	5.4	12.0	69
MAR.							
08...	1230	16.0	111	16	4.8	9.0	100
APR.							
10...	0830	16.0	120	16	7.1	9.1	17*
MAY							
07...	0930	19.0	170	16	5.5	8.4	3*
JUNE							
18...	1115	26.0	81	17	5.3	5.5	>2000
JULY							
24...	0800	23.0	280	22	5.6	5.5	1200

*Value based on non-ideal colony count.

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, at gaging station on right bank, 2.4 mi (3.9 km) upstream from Southern Railway bridge, 2.5 mi (4.0 km) northeast of Wateree, 5.0 mi (8.0 km) southeast of Eastover, and at mile 12.0 (19.3 km).

DRAINAGE AREA.--5,590 mi^2 (14,480 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.
Water temperatures: October 1970 to September 1973.

EXTREMES, 1972-73.--Specific conductance: Maximum, 148 micromhos Dec. 1, 2; minimum 46 micromhos April 9.
Dissolved Oxygen: Maximum, 11.0 mg/l Feb. 23, 24; minimum, 4.8 mg/l Sept. 15.
Temperature: Maximum, 30.5°C July 30, Aug. 11; minimum, 7.0 °C Jan. 14, 15.
pH: Maximum, 7.0 units Oct. 14, Nov. 23, 24, Dec. 2; minimum 6.0 units April 14, 19, 24, June 19, 20, July 6.

EXTREMES, 1971-73.--Specific conductance: Maximum, 159 micromhos Oct. 23, 1971; minimum 46 micromhos April 9, 1973.
Dissolved Oxygen: Maximum, 11.0 mg/l Feb. 23, 24, 1973; minimum, 4.8 mg/l Sept. 15, 1973.
Temperature: Maximum, 30.5°C July 30, Aug. 11, 1973; minimum, 7.0°C Jan. 14, 15, 1973.
pH: Maximum, 7.0 units Oct. 14, Nov. 23, 24, Dec. 2, 1972; minimum 6.0 units April 14, 19, 24, June 19, 20, July 6, 1973.

REMARKS.--Record of hourly values available in district office, Columbia, S.C.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972							
29...	1335	27.0	3190	100	6.8	7.4	17
SEP.							
18...	1215	27.0	4480	119	7.3	6.0	120
OCT.							
13...	1120	20.5	4060	240	7.1	7.4	93
NOV.							
21...	1125	15.0	4700	130	7.1	9.0	110
DEC.							
29...	1000	8.5	9900	73	6.7	8.3	--
JAN., 1973							
30...	1210	8.5	>10000	100	7.2	10.0	130
FEB.							
27...	1055	11.5	4610	72	6.3	9.4	38 *
MAR.							
19...	0920	16.5	>10000	88	7.3	8.5	14 *
APR.							
30...	1140	20.0	--	75	6.6	9.1	95
MAY							
21...	0830	22.0	5330	90	6.2	7.6	--
JUNE							
29...	1000	26.0	>10000		6.4	5.4	--

*Value based on non-ideal colony count.

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	137	133	134	138	102	120	148	142	146	82	75	80
2	135	125	132	136	130	131	149	139	145	82	80	82
3	122	115	119	135	132	134	141	137	139	88	73	79
4	137	113	125	136	132	133	142	133	138	84	75	82
5	142	125	134	140	134	137	133	127	131	84	61	80
6	139	133	137	139	129	134	132	130	131	86	72	79
7	141	133	138	131	123	126	130	124	126	86	77	85
8	138	133	136	143	133	140	125	111	118	86	78	82
9	133	130	132	142	139	140	134	123	128	84	78	80
10	131	118	124	138	130	133	134	122	128	84	79	81
11	136	130	133	132	120	126	123	119	122	88	81	84
12	131	125	129	135	126	131	118	112	114	88	81	86
13	135	127	131	136	126	130	139	122	132	86	74	83
14	134	124	129	145	132	137	139	131	134	82	74	80
15	129	124	127	145	142	144	134	129	132	90	80	80
16	129	119	126	143	133	140	134	129	132	---	---	---
17	124	113	121	144	135	139	128	122	125	---	---	---
18	143	119	129	143	135	140	134	126	130	---	---	---
19	133	122	128	136	127	134	131	123	128	---	---	---
20	130	124	127	136	126	132	122	112	116	---	---	---
21	130	125	128	133	120	129	112	107	110	---	---	---
22	133	125	130	136	126	131	107	99	104	---	---	---
23	129	126	127	145	127	137	99	89	92	---	---	---
24	130	121	125	145	136	139	89	83	86	---	---	---
25	131	126	129	137	130	134	83	78	81	---	---	---
26	132	126	130	141	130	137	79	77	79	---	---	---
27	127	119	125	140	134	138	79	75	78	---	---	---
28	123	109	117	133	114	126	79	69	79	---	---	---
29	126	121	124	138	132	134	78	76	77	104	100	102
30	120	116	118	147	140	144	80	75	78	105	103	104
31	116	106	110	---	---	---	82	76	79	107	106	106
MONTH	143	106	128	147	102	134	149	69	114	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	108	105	107	75	71	74	81	77	80	79	75	77
2	108	97	103	77	70	74	76	70	73	82	79	81
3	105	87	100	80	74	78	78	72	74	84	80	82
4	91	78	86	79	70	77	76	72	75	89	84	86
5	92	87	90	78	74	77	72	62	67	90	85	88
6	89	87	88	78	76	77	62	58	60	89	85	87
7	87	82	85	84	79	81	58	55	56	88	85	85
8	82	80	81	86	84	85	55	52	53	92	85	88
9	---	---	---	88	86	87	52	46	48	92	89	90
10	---	---	---	88	84	86	50	48	49	95	90	93
11	---	---	---	89	87	88	52	49	51	91	89	90
12	---	---	---	89	88	88	---	---	---	90	85	87
13	---	---	---	90	83	88	60	59	60	86	84	85
14	---	---	---	83	81	81	61	59	60	88	85	87
15	---	---	---	89	81	84	64	60	61	96	84	88
16	73	67	71	90	88	89	63	60	60	90	86	89
17	74	67	69	89	86	87	64	60	61	90	88	89
18	79	65	72	90	87	89	63	60	61	91	89	90
19	80	70	74	90	87	88	64	60	62	91	85	89
20	78	69	72	89	87	88	65	60	62	88	84	86
21	86	68	76	88	87	88	66	65	65	95	85	91
22	79	73	75	89	87	88	70	65	67	101	87	94
23	76	73	75	89	88	88	71	65	70	90	89	90
24	75	70	74	89	87	88	73	70	71	93	90	92
25	77	70	75	87	86	87	85	61	74	92	89	90
26	76	71	73	86	83	84	71	69	70	90	86	89
27	77	69	73	83	81	82	71	65	69	90	85	87
28	76	68	74	82	81	81	72	70	71	88	85	86
29	---	---	---	80	80	80	74	70	72	93	81	86
30	---	---	---	82	80	81	77	71	73	96	94	95
31	---	---	---	82	81	82	---	---	---	95	94	95
MONTH	---	---	---	90	70	84	85	46	65	101	75	88

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	98	95	97	73	68	70	97	90	94	107	102	105
2	101	99	100	73	68	71	100	92	96	106	100	105
3	102	100	101	73	70	72	99	91	97	106	105	106
4	103	100	102	76	72	73	100	89	95	106	103	105
5	103	100	102	76	70	72	100	91	95	112	102	105
6	101	95	98	76	70	72	91	85	88	109	105	107
7	96	94	95	76	74	75	89	84	86	109	106	108
8	95	93	94	77	73	75	97	83	92	111	108	109
9	94	90	92	80	75	78	103	98	99	109	103	107
10	92	68	83	83	76	81	101	95	98	104	102	103
11	76	65	70	86	82	83	98	93	96	105	101	102
12	78	70	74	85	83	84	101	99	100	108	99	104
13	77	70	74	86	83	85	99	95	97	108	105	107
14	77	70	74	88	85	87	102	90	94	106	102	105
15	79	70	75	92	86	89	98	89	95	110	100	106
16	80	60	71	92	90	91	97	92	95	110	107	108
17	81	71	73	92	90	91	99	94	97	106	101	104
18	79	71	75	91	86	89	102	97	100	106	100	103
19	72	66	69	94	88	90	100	98	100	108	104	107
20	75	71	74	92	86	89	98	93	96	107	103	105
21	73	70	72	92	88	90	99	94	96	107	103	106
22	78	71	75	96	92	94	100	95	98	107	105	106
23	79	71	75	95	90	93	96	90	95	106	104	105
24	75	71	73	95	85	90	95	91	93	108	105	106
25	77	75	76	92	88	90	96	92	95	112	107	109
26	76	74	76	88	80	86	99	95	98	108	104	107
27	75	74	74	90	79	86	100	97	99	105	103	104
28	74	70	71	93	90	92	104	96	99	108	104	105
29	71	68	70	93	88	91	106	99	104	109	107	108
30	70	65	69	91	89	90	108	101	105	109	105	108
31	---	---	---	95	90	92	106	102	104	---	---	---
MONTH	103	60	81	96	68	86	108	83	97	112	99	106
YEAR	148	46	96									

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	8.5	7.7	8.2	9.9	8.7	9.4	8.8	7.8	8.3
2	6.0	5.8	5.8	9.2	7.3	7.8	10.8	8.9	9.5	8.6	7.7	8.3
3	7.2	6.1	6.7	8.1	7.7	7.9	10.9	9.6	10.3	9.5	7.9	8.3
4	7.0	5.8	6.5	9.0	7.7	7.9	10.3	9.7	9.8	10.4	9.4	10.0
5	6.9	5.6	6.6	8.2	7.5	7.9	9.9	7.4	9.0	10.1	8.0	9.3
6	6.7	6.1	6.5	8.1	7.8	7.9	9.8	8.7	9.3	9.5	7.9	8.7
7	6.7	5.5	6.3	7.9	7.6	7.8	9.8	9.7	9.7	9.8	8.0	9.4
8	6.8	5.9	6.5	9.3	7.5	8.1	9.9	9.5	9.7	10.0	9.4	9.7
9	7.0	5.9	6.4	9.3	7.9	8.1	10.0	9.7	9.8	10.6	9.9	10.2
10	6.8	5.8	6.4	8.7	7.6	8.3	9.7	9.2	9.4	10.7	9.9	10.2
11	7.2	6.4	6.9	8.6	8.1	8.5	9.3	8.9	9.1	10.6	9.2	10.1
12	8.0	6.8	7.6	9.8	8.2	8.5	9.4	8.7	8.9	10.3	8.6	9.2
13	7.7	7.2	7.5	9.0	8.1	8.6	9.7	9.5	9.6	10.3	9.3	9.9
14	7.7	6.6	7.3	8.3	7.6	8.1	9.5	9.2	9.3	9.9	9.4	9.7
15	7.4	7.2	7.3	8.5	8.2	8.3	9.5	9.3	9.4	9.9	9.8	9.9
16	7.7	7.1	7.4	9.1	8.5	8.8	9.3	9.2	9.2	---	---	---
17	7.5	6.8	7.1	9.5	9.1	9.3	9.4	9.2	9.3	---	---	---
18	7.8	6.1	7.3	9.3	9.1	9.2	9.9	9.3	9.7	---	---	---
19	7.6	7.2	7.4	9.4	9.0	9.2	9.9	9.5	9.9	---	---	---
20	8.1	7.3	7.7	9.2	8.9	9.0	9.5	9.2	9.3	---	---	---
21	8.2	7.5	8.0	9.7	8.7	9.2	9.3	9.2	9.3	---	---	---
22	8.3	7.9	8.1	9.9	9.5	9.7	9.3	9.2	9.2	---	---	---
23	8.1	7.7	7.9	10.4	9.3	9.9	9.2	9.2	9.2	---	---	---
24	7.9	7.5	7.7	10.2	9.3	9.7	9.2	9.1	9.2	---	---	---
25	7.8	7.3	7.5	10.5	9.8	10.1	9.2	9.1	9.2	---	---	---
26	7.8	7.3	7.5	10.5	9.3	9.7	9.3	8.9	9.1	---	---	---
27	8.1	7.5	7.8	10.1	9.2	9.6	9.4	8.4	9.0	---	---	---
28	8.4	7.8	8.2	9.7	9.1	9.4	9.4	8.8	9.0	10.3	9.7	9.9
29	8.0	7.9	7.9	9.7	8.5	9.1	8.9	8.5	8.7	10.0	8.7	9.8
30	8.1	7.5	7.8	9.0	8.5	8.9	9.3	8.3	8.9	[illegible]	9.2	9.3
31	8.1	7.7	7.9	---	---	---	9.4	8.2	8.7	---	---	---
MONTH	8.4	5.5	7.3	10.5	7.3	8.8	10.9	7.4	9.3	---	---	---

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.8	9.0	9.3	10.7	10.1	10.4	8.7	7.9	8.5	9.2	8.9	9.0
2	9.3	8.3	8.9	10.5	9.8	10.1	8.5	8.2	8.3	8.9	8.4	8.6
3	9.1	7.9	8.8	10.1	9.6	9.9	8.3	7.4	7.9	8.4	8.1	8.2
4	---	---	---	10.0	9.2	9.6	8.0	7.5	7.7	8.6	8.1	8.3
5	9.9	9.7	9.8	9.5	9.0	9.2	8.0	7.7	7.9	9.9	8.2	8.9
6	10.0	9.8	9.9	9.2	7.9	9.0	8.1	7.8	7.9	9.7	8.8	9.3
7	10.0	9.6	9.9	9.3	8.8	9.0	8.2	7.4	8.0	8.9	8.2	8.5
8	9.9	9.8	9.9	---	---	---	8.2	8.0	8.1	8.5	7.7	8.1
9	---	---	---	---	---	---	8.5	8.2	8.3	8.2	7.9	8.0
10	---	---	---	---	---	---	8.5	8.3	8.4	8.3	7.7	8.0
11	---	---	---	---	---	---	8.6	8.4	8.5	8.6	8.1	8.2
12	---	---	---	---	---	---	---	---	---	8.2	7.6	7.8
13	---	---	---	8.6	8.0	8.1	9.1	8.8	9.0	7.5	7.3	7.4
14	---	---	---	8.5	7.9	8.0	9.2	7.7	8.9	7.4	7.0	7.2
15	---	---	---	8.1	7.9	8.0	9.2	8.9	9.0	7.6	6.8	7.2
16	10.7	10.1	10.4	8.1	8.0	8.0	9.2	8.6	8.7	7.8	7.5	7.7
17	---	---	---	8.1	7.8	7.9	9.1	8.6	8.9	7.9	7.7	7.8
18	---	---	---	8.5	8.0	8.2	9.1	9.0	9.0	8.0	7.7	7.9
19	---	---	---	8.7	8.5	8.6	9.1	8.7	8.9	8.0	7.8	7.9
20	---	---	---	8.7	8.4	8.5	9.0	8.4	8.6	8.1	7.8	7.9
21	---	---	---	8.5	8.3	8.4	8.6	8.3	8.5	7.9	7.5	7.7
22	---	---	---	8.7	8.3	8.5	8.3	7.7	7.9	7.8	6.9	7.2
23	11.0	10.5	10.7	9.0	8.6	8.8	8.0	7.4	7.6	8.2	7.7	8.0
24	11.0	10.2	10.6	9.1	8.8	9.0	7.6	6.7	7.2	7.8	7.5	7.6
25	10.9	9.6	10.3	9.1	8.7	8.9	8.9	6.9	7.5	8.3	7.5	7.9
26	10.6	9.3	9.9	9.0	8.8	8.9	8.9	8.2	8.7	8.1	7.3	7.9
27	10.0	9.3	9.5	9.0	8.7	8.9	8.5	8.3	8.4	7.9	7.3	7.6
28	10.6	10.0	10.4	9.1	8.8	9.0	8.5	8.3	8.4	7.6	6.8	7.1
29	---	---	---	9.2	8.9	9.0	9.1	8.5	8.8	7.2	5.7	6.7
30	---	---	---	9.0	8.7	8.8	9.3	8.8	9.1	7.3	6.5	6.8
31	---	---	---	8.9	8.6	8.7	---	---	---	7.6	7.1	7.3
MONTH	---	---	---	10.7	7.8	8.8	9.3	6.7	8.4	9.9	5.7	7.9

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.2	7.3	5.7	5.3	5.5	6.1	5.3	5.9	6.2	5.8	6.0
2	7.4	7.0	7.2	6.0	5.7	5.8	6.0	5.2	5.7	6.4	5.5	6.1
3	7.0	6.4	6.7	6.0	5.5	5.7	5.9	5.3	5.6	6.3	5.7	6.2
4	6.6	6.1	6.2	6.0	5.3	5.6	6.0	5.4	5.7	6.5	6.1	6.3
5	6.2	6.0	6.1	5.3	5.1	5.2	5.9	5.4	5.7	6.4	5.7	6.1
6	6.2	6.0	6.1	5.5	5.0	5.3	6.2	5.6	6.0	6.1	5.4	6.0
7	6.1	5.9	6.0	5.6	5.4	5.5	6.3	5.5	6.2	5.8	5.3	5.6
8	6.5	6.0	6.2	5.7	5.3	5.5	6.2	5.4	6.0	5.7	5.2	5.5
9	6.5	5.8	6.2	5.6	5.3	5.5	5.9	5.4	5.7	6.0	5.4	5.8
10	6.7	5.6	6.2	5.5	5.2	5.4	6.3	5.6	5.9	6.2	5.6	6.0
11	6.7	6.2	6.5	5.6	5.3	5.5	6.2	5.5	5.9	6.5	6.1	6.3
12	6.3	6.1	6.2	5.6	5.2	5.5	6.1	5.6	5.9	6.4	5.8	6.0
13	6.0	5.0	5.6	6.1	5.3	5.7	6.2	5.5	5.9	5.9	5.6	5.8
14	5.9	5.6	5.7	6.1	5.6	5.9	6.3	5.6	6.0	6.1	5.3	5.9
15	6.0	5.3	5.7	6.1	5.4	5.7	6.5	5.5	6.1	6.0	4.8	5.4
16	6.0	5.7	5.9	5.7	5.4	5.5	6.2	5.8	6.1	5.6	5.0	5.3
17	6.0	5.7	5.8	6.3	5.4	5.5	6.2	5.7	6.0	5.6	5.4	5.5
18	6.0	5.6	5.8	6.7	5.7	6.2	6.0	5.4	5.8	6.0	5.3	5.6
19	5.7	5.4	5.5	7.1	6.3	6.7	6.0	5.6	5.9	6.3	5.8	6.0
20	5.7	5.0	5.2	6.4	6.0	6.2	6.1	5.9	6.0	6.5	5.6	6.2
21	5.7	5.2	5.4	6.1	5.6	5.9	6.5	5.9	6.2	6.6	6.1	6.4
22	6.1	5.6	5.9	5.7	5.1	5.5	6.4	5.7	6.1	6.7	6.1	6.5
23	5.7	5.5	5.6	6.2	5.3	5.8	6.3	5.8	6.1	6.7	6.2	6.5
24	5.8	5.6	5.7	6.3	5.6	6.0	6.9	5.8	6.5	6.6	6.0	6.3
25	5.8	5.5	5.7	6.3	5.8	6.1	6.7	5.7	6.3	6.3	5.7	5.9
26	5.6	5.4	5.5	6.3	5.8	6.1	6.5	5.6	6.3	6.2	5.8	6.0
27	5.6	5.5	5.5	6.0	5.4	5.7	6.6	5.7	6.3	6.5	6.0	6.3
28	5.6	5.4	5.5	5.7	5.3	5.6	6.4	5.1	6.0	6.8	6.3	6.5
29	5.5	5.2	5.3	6.0	5.5	5.8	6.4	5.6	6.1	6.3	6.0	6.2
30	5.3	5.2	5.3	6.4	5.5	6.0	6.1	5.6	5.9	6.3	6.1	6.2
31	---	---	---	6.4	5.6	6.2	6.3	5.6	6.1	---	---	---
MONTH	7.5	5.0	5.9	7.1	5.0	5.8	6.9	5.1	6.0	6.8	4.8	6.0
YEAR	11.0	4.8	7.6									

SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	24.0	25.0	19.5	18.[illegible]	19.0	13.0	12.0	12.5	14.0	12.5	13.0
2	24.0	22.5	23.5	20.0	18.5	19.0	13.0	11.5	12.0	13.5	12.5	13.0
3	22.5	22.0	22.0	20.5	19.0	20.0	12.5	11.5	12.0	13.0	12.0	12.5
4	23.5	21.5	22.5	21.0	20.0	20.5	12.5	11.5	12.0	11.5	10.5	10.5
5	24.5	23.5	24.0	20.5	19.0	20.0	13.0	11.5	12.5	11.5	10.0	11.0
6	24.5	23.5	24.0	19.0	18.0	18.5	14.0	12.0	13.0	11.5	10.5	11.0
7	24.5	23.0	23.5	18.0	17.5	17.5	13.0	12.5	13.0	10.5	9.5	10.0
8	24.0	22.5	23.0	18.5	17.0	18.0	12.5	11.5	12.0	9.0	7.5	8.5
9	23.5	22.0	22.5	19.5	17.5	18.0	12.0	11.5	11.5	8.5	7.5	7.5
10	22.5	21.0	22.0	18.0	17.0	17.5	13.5	11.5	12.5	8.5	7.5	8.0
11	23.0	21.5	22.5	18.0	17.0	17.5	13.5	12.5	13.0	9.0	8.0	8.5
12	23.0	21.5	22.0	18.0	17.0	17.5	13.5	13.0	13.5	9.0	8.0	8.5
13	22.5	21.5	22.0	18.5	17.5	18.0	13.0	12.0	12.5	8.5	7.5	8.0
14	23.0	21.5	22.0	19.0	18.0	18.5	13.0	12.5	12.5	8.5	7.0	7.5
15	23.0	22.0	22.5	18.0	17.5	18.0	12.5	12.0	12.5	7.0	7.0	7.0
16	22.5	21.5	22.0	17.0	15.0	16.0	12.0	11.0	11.5	---	---	---
17	23.0	21.5	22.0	16.0	15.5	15.5	11.0	10.0	10.5	---	---	---
18	22.0	21.5	22.0	16.0	15.0	15.5	10.5	10.0	10.0	---	---	---
19	22.0	20.5	21.5	16.0	15.0	15.5	10.5	9.5	10.0	---	---	---
20	20.0	18.5	19.0	15.5	14.5	15.0	10.5	10.0	10.0	---	---	---
21	19.5	18.5	19.0	15.5	14.5	15.0	11.5	10.5	11.0	---	---	---
22	19.5	18.5	19.0	15.0	14.0	14.5	11.5	11.0	11.0	---	---	---
23	20.0	18.5	19.0	14.5	14.0	14.0	11.0	11.0	11.0	---	---	---
24	20.5	20.0	20.0	14.0	13.0	13.5	11.0	10.5	11.0	---	---	---
25	20.5	19.5	20.0	13.5	12.0	12.5	11.0	10.5	10.5	---	---	---
26	20.0	19.0	19.5	13.5	12.5	13.0	11.0	10.0	10.5	---	---	---
27	19.0	18.5	19.0	14.0	12.5	13.0	11.0	10.0	10.0	---	---	---
28	19.5	18.5	19.0	13.0	11.5	12.5	11.0	9.5	10.0	---	---	---
29	20.0	19.0	19.5	13.5	12.0	13.0	11.0	9.5	10.0	8.5	8.0	8.5
30	20.0	19.0	19.5	12.5	12.0	12.5	11.5	10.0	10.5	9.0	8.0	8.0
31	19.5	19.0	19.0	---	---	---	13.0	11.0	12.0	9.0	7.5	8.5
MONTH	25.5	18.5	21.5	21.0	11.5	16.5	14.0	9.5	11.5	---	---	---

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	8.0	9.5	11.5	9.5	10.5	17.0	16.0	16.5	20.0	19.5	19.5
2	12.5	9.5	11.0	12.0	10.0	11.0	17.0	16.0	16.5	20.0	19.5	19.5
3	11.0	10.0	10.5	12.5	11.0	11.5	17.0	16.5	16.5	20.5	19.5	20.0
4	---	---	---	13.0	10.5	11.5	18.5	17.0	17.5	20.0	19.5	20.0
5	11.5	10.0	10.5	13.0	11.0	11.5	17.5	16.5	17.0	20.5	19.5	20.0
6	12.0	10.0	10.5	12.0	11.0	11.5	17.0	16.5	16.5	20.5	20.0	20.0
7	12.0	10.5	11.0	12.0	11.0	11.5	16.5	16.0	16.0	20.5	19.5	20.0
8	11.0	10.5	11.0	12.0	11.0	11.5	17.0	16.0	16.5	21.0	20.0	20.5
9	---	---	---	13.0	11.0	12.0	17.0	16.0	16.5	21.5	20.5	21.0
10	---	---	---	13.5	12.5	13.0	17.0	15.5	16.0	21.5	20.5	21.0
11	---	---	---	15.0	12.5	13.5	16.0	15.5	15.5	22.0	21.5	22.0
12	---	---	---	16.5	13.5	15.0	---	---	---	22.5	22.0	22.0
13	---	---	---	16.5	15.5	16.0	16.0	15.0	15.5	22.5	22.0	22.0
14	---	---	---	18.0	16.0	17.0	16.0	15.0	15.5	22.0	21.5	22.0
15	---	---	---	18.0	17.0	17.5	16.0	15.0	15.5	22.0	21.0	21.5
16	10.0	8.5	9.0	18.5	17.0	17.5	16.5	15.5	16.0	22.0	21.5	21.5
17	---	---	---	18.0	16.5	17.0	17.0	16.0	16.0	22.5	21.5	21.5
18	---	---	---	16.5	15.0	16.0	16.0	15.5	15.5	21.5	21.0	21.5
19	---	---	---	16.5	15.5	16.0	17.0	15.5	16.5	21.5	21.0	21.5
20	---	---	---	16.0	15.5	16.0	17.5	16.5	17.0	22.5	21.0	21.5
21	---	---	---	16.0	15.0	15.5	18.5	17.5	17.5	23.0	22.0	22.5
22	---	---	---	16.0	15.0	15.5	19.5	18.0	18.5	23.0	22.0	22.5
23	10.0	8.5	9.0	16.0	14.5	15.0	20.0	18.5	19.0	24.0	23.0	23.5
24	11.5	8.5	9.5	15.5	15.0	15.0	19.5	19.0	19.5	23.5	23.0	23.5
25	12.5	8.5	10.5	15.5	14.5	15.0	20.5	18.5	19.5	24.0	23.0	23.5
26	12.0	9.5	10.5	15.5	14.5	15.0	19.5	18.5	19.0	24.0	23.5	24.0
27	12.0	11.0	11.0	16.0	14.5	15.0	19.5	19.0	19.0	25.0	24.0	24.5
28	11.5	9.5	10.5	16.5	15.0	15.5	19.0	18.0	18.5	26.0	24.0	25.0
29	---	---	---	15.5	15.0	15.0	19.5	18.0	19.0	25.5	24.0	25.0
30	---	---	---	15.5	15.0	15.5	20.0	19.0	19.5	24.0	23.0	23.5
31	---	---	---	16.5	15.5	16.0	---	---	---	24.5	24.0	24.5
MONTH	---	---	---	18.5	9.5	14.5	20.5	15.0	17.0	26.0	19.5	22.0

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.5	24.0	24.5	27.0	26.0	26.5	30.0	29.0	29.5	29.0	28.5	29.0
2	25.0	24.5	25.0	27.5	26.5	27.0	29.5	28.5	29.0	29.5	28.5	29.0
3	25.5	25.0	25.0	27.5	26.5	27.0	29.0	28.0	29.0	29.0	28.0	28.5
4	26.0	25.0	25.0	27.5	26.5	27.0	29.0	28.0	28.5	29.0	28.0	28.5
5	25.5	25.0	25.0	27.5	27.0	27.5	29.0	28.5	28.5	29.0	28.0	28.5
6	25.5	24.0	25.0	28.0	27.5	27.5	29.0	28.5	28.5	29.0	28.5	28.5
7	25.0	24.5	25.0	28.0	27.5	28.0	29.0	28.5	28.5	29.0	28.5	29.0
8	25.5	24.5	25.0	28.5	28.0	28.0	29.5	28.5	29.0	29.5	28.5	29.0
9	25.5	25.0	25.0	28.5	28.0	28.5	29.5	29.0	29.5	29.5	28.5	29.0
10	25.0	24.0	24.5	29.0	28.0	28.5	30.0	29.5	29.5	29.0	28.0	28.5
11	24.5	24.0	24.0	29.0	28.5	29.0	30.5	29.5	30.0	28.0	27.5	27.5
12	25.0	24.0	24.5	28.5	28.5	28.5	30.0	29.5	30.0	28.0	27.0	27.5
13	25.5	25.0	25.0	29.0	28.0	28.5	30.0	29.5	30.0	28.5	28.0	28.5
14	26.0	25.0	25.5	29.5	28.5	29.0	30.0	29.0	29.5	29.0	28.0	28.5
15	26.5	25.0	26.0	29.5	28.5	29.0	30.0	29.5	29.5	28.5	27.5	28.0
16	26.5	26.0	26.0	29.0	28.5	29.0	30.0	29.5	29.5	28.5	28.0	28.5
17	26.5	26.0	26.5	29.5	28.5	29.0	30.0	29.0	29.5	28.5	27.5	28.0
18	27.0	26.5	26.5	29.5	28.5	29.0	29.5	28.5	29.0	28.0	27.0	27.5
19	27.0	26.5	26.5	29.0	28.0	28.5	29.0	28.5	29.0	27.5	27.0	27.5
20	27.0	26.5	26.5	29.0	28.0	28.5	29.0	28.0	28.5	27.5	26.5	27.0
21	27.5	26.0	26.5	29.0	28.5	29.0	28.5	27.5	28.0	27.5	26.5	27.0
22	26.5	26.0	26.5	30.0	29.0	29.5	28.0	27.5	28.0	28.0	27.0	27.5
23	26.0	25.5	26.0	30.0	29.0	29.5	28.0	27.0	27.5	28.0	27.0	27.5
24	26.5	25.5	26.0	29.5	29.0	29.0	28.5	27.0	27.5	28.0	27.0	27.5
25	26.5	26.0	26.0	29.0	28.5	28.5	28.5	27.5	28.0	28.0	27.0	27.5
26	26.0	26.0	26.0	29.0	28.0	28.5	29.0	28.0	28.5	27.0	26.5	26.5
27	26.5	26.0	26.0	29.5	28.0	29.0	29.0	28.0	28.5	27.0	26.0	26.5
28	26.5	25.5	26.0	29.5	29.0	29.0	29.0	28.0	29.0	27.0	26.0	26.5
29	26.5	26.0	26.0	29.5	29.0	29.5	29.5	28.5	29.0	27.5	26.5	27.0
30	26.0	26.0	26.0	30.5	29.0	29.5	29.5	28.5	29.0	27.5	26.5	27.0
31	---	---	---	30.0	29.5	30.0	29.0	28.5	29.0	---	---	---
MONTH	27.5	24.0	25.5	30.5	26.0	28.5	30.5	27.0	29.0	29.5	26.0	28.0
YEAR	30.5	7.0	20.5									

pH (UNITS), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.4	6.5	6.9	6.4	6.7	6.9	6.8	6.9	6.4	6.3	6.3
2	6.8	6.4	6.6	6.9	6.6	6.7	7.0	6.8	6.9	6.3	6.2	6.3
3	6.8	6.6	6.7	6.9	6.7	6.7	6.9	6.7	6.8	6.3	6.1	6.2
4	6.8	6.5	6.7	6.9	6.6	6.7	6.8	6.6	6.7	6.4	6.3	6.4
5	6.8	6.6	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.5	6.3	6.4
6	6.8	6.6	6.7	6.6	6.4	6.5	6.7	6.6	6.7	6.4	6.3	6.4
7	6.8	6.6	6.7	6.5	6.4	6.4	6.7	6.6	6.6	6.4	6.3	6.4
8	6.9	6.6	6.8	6.8	6.5	6.7	6.6	6.5	6.6	6.4	6.3	6.3
9	6.8	6.5	6.7	6.9	6.7	6.7	6.8	6.6	6.7	6.5	6.4	6.4
10	6.6	6.5	6.5	6.8	6.6	6.7	6.7	6.5	6.7	6.5	6.4	6.4
11	6.8	6.6	6.7	6.9	6.7	6.7	6.6	6.4	6.5	6.5	6.4	6.4
12	7.0	6.6	6.8	6.9	6.7	6.8	6.5	6.3	6.4	6.5	6.5	6.5
13	6.8	6.7	6.8	6.9	6.6	6.7	6.8	6.5	6.7	6.6	6.4	6.5
14	7.0	6.6	6.8	6.7	6.6	6.7	6.7	6.6	6.7	6.5	6.4	6.4
15	6.9	6.7	6.8	6.8	6.7	6.7	6.7	6.6	6.7	6.4	6.4	6.4
16	6.8	6.6	6.7	6.9	6.7	6.8	6.7	6.6	6.6	---	---	---
17	6.7	6.5	6.6	6.9	6.8	6.8	6.6	6.5	6.6	---	---	---
18	6.7	6.6	6.6	6.9	6.7	6.8	6.7	6.6	6.6	---	---	---
19	6.7	6.6	6.6	6.9	6.8	6.8	6.6	6.5	6.6	---	---	---
20	6.7	6.5	6.6	6.9	6.7	6.8	6.5	6.5	6.5	---	---	---
21	6.9	6.6	6.7	6.9	6.6	6.7	6.5	6.5	6.5	---	---	---
22	6.9	6.7	6.8	6.9	6.7	6.8	6.5	6.4	6.5	---	---	---
23	6.8	6.7	6.7	7.0	6.8	6.9	6.5	6.3	6.4	---	---	---
24	6.7	6.6	6.7	7.0	6.8	6.9	6.4	6.3	6.3	---	---	---
25	6.9	6.7	6.8	6.9	6.7	6.8	6.3	6.3	6.3	---	---	---
26	6.9	6.7	6.8	6.9	6.7	6.9	6.3	6.2	6.2	---	---	---
27	6.8	6.7	6.7	6.9	6.8	6.9	6.4	6.2	6.3	---	---	---
28	6.9	6.7	6.7	6.8	6.7	6.8	6.3	6.2	6.3	---	---	---
29	6.8	6.7	6.7	6.9	6.8	6.8	6.3	6.1	6.2	6.3	6.3	6.3
30	6.8	6.6	6.7	6.9	6.8	6.9	6.3	6.2	6.3	6.4	6.3	6.4
31	6.5	6.5	6.5	---	---	---	6.4	6.3	6.3	6.4	6.3	6.4
MONTH	7.0	6.4	6.7	7.0	6.4	6.7	7.0	6.1	6.5	---	---	---

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

pH (UNITS), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	6.4	6.5	6.7	6.5	6.6	6.7	6.6	6.6	6.7	6.5	6.6
2	6.5	6.4	6.5	6.7	6.5	6.6	6.6	6.4	6.5	6.6	6.5	6.5
3	6.5	6.2	6.4	6.7	6.5	6.6	6.6	6.4	6.5	6.6	6.5	6.5
4	6.5	6.2	6.4	6.9	6.5	6.6	6.5	6.4	6.5	6.6	6.3	6.5
5	6.4	6.2	6.3	6.9	6.6	6.7	6.6	6.4	6.5	6.9	6.5	6.7
6	6.3	6.2	6.3	6.7	6.6	6.6	6.6	6.4	6.4	6.9	6.7	6.8
7	6.3	6.2	6.2	6.7	6.6	6.6	6.4	6.3	6.4	6.7	6.5	6.6
8	6.3	6.2	6.3	6.6	6.6	6.6	6.5	6.4	6.4	6.6	6.4	6.5
9	---	---	---	6.6	6.6	6.6	6.4	6.3	6.3	6.7	6.5	6.6
10	---	---	---	6.6	6.5	6.6	6.4	6.3	6.3	6.7	6.5	6.6
11	---	---	---	6.6	6.5	6.6	6.5	6.3	6.4	6.8	6.6	6.7
12	---	---	---	6.6	6.5	6.6	---	---	---	6.6	6.4	6.5
13	---	---	---	6.6	6.5	6.5	6.4	6.3	6.4	6.5	6.2	6.4
14	---	---	---	6.6	6.5	6.5	6.5	6.0	6.2	6.4	6.3	6.4
15	---	---	---	6.7	6.5	6.6	6.6	6.1	6.4	6.4	6.3	6.3
16	6.4	6.1	6.3	6.7	6.6	6.6	6.5	6.3	6.4	6.6	6.4	6.5
17	---	---	---	6.6	6.5	6.6	6.5	6.3	6.4	6.6	6.4	6.5
18	---	---	---	6.7	6.6	6.7	6.5	6.0	6.4	6.7	6.5	6.6
19	6.8	6.5	6.6	6.9	6.6	6.7	6.6	6.4	6.5	6.6	6.5	6.5
20	6.7	6.6	6.7	6.9	6.7	6.7	6.5	6.3	6.4	6.6	6.4	6.5
21	6.9	6.7	6.8	6.7	6.6	6.7	6.4	6.2	6.3	6.5	6.3	6.4
22	---	---	---	6.9	6.6	6.7	6.4	6.2	6.3	6.4	6.3	6.3
23	6.5	6.4	6.5	6.9	6.7	6.7	6.2	6.1	6.2	6.7	6.5	6.6
24	6.6	6.4	6.5	6.9	6.6	6.7	6.2	6.0	6.1	6.6	6.5	6.6
25	6.7	6.5	6.6	6.7	6.6	6.7	6.3	6.1	6.2	6.7	6.5	6.7
26	6.6	6.5	6.5	6.7	6.6	6.7	6.5	6.4	6.4	6.7	6.5	6.6
27	6.5	6.2	6.3	6.9	6.6	6.7	6.4	6.3	6.4	6.7	6.5	6.6
28	6.6	6.4	6.5	6.9	6.7	6.7	6.5	6.3	6.4	6.6	6.5	6.5
29	---	---	---	6.7	6.7	6.7	6.6	6.4	6.5	6.5	6.1	6.4
30	---	---	---	6.7	6.6	6.7	6.7	6.5	6.6	6.7	6.5	6.6
31	---	---	---	6.7	6.6	6.6	---	---	---	6.8	6.6	6.7
MONTH	---	---	---	6.9	6.5	6.6	6.7	6.0	6.4	6.9	6.1	6.5

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	6.5	6.7	6.5	6.4	6.4	6.5	6.3	6.4	6.7	6.5	6.6
2	6.8	6.6	6.7	6.5	6.4	6.4	6.4	6.3	6.4	6.7	6.4	6.5
3	6.7	6.6	6.6	6.4	6.2	6.4	6.7	6.3	6.5	6.6	6.4	6.5
4	6.6	6.5	6.6	6.3	6.2	6.2	6.6	6.5	6.6	6.5	6.4	6.4
5	---	---	---	6.3	6.1	6.2	6.6	6.5	6.6	6.4	6.2	6.3
6	---	---	---	6.5	6.0	6.3	6.6	6.4	6.5	6.7	6.4	6.5
7	---	---	---	6.5	6.3	6.4	6.4	6.2	6.3	6.6	6.5	6.6
8	---	---	---	6.5	6.3	6.4	6.5	6.1	6.4	6.7	6.5	6.6
9	---	---	---	6.6	6.3	6.5	6.5	6.3	6.4	6.7	6.5	6.5
10	---	---	---	6.4	6.3	6.3	6.7	6.4	6.5	6.5	6.4	6.5
11	6.4	6.2	6.3	6.4	6.2	6.3	6.7	6.5	6.6	6.5	6.3	6.4
12	6.4	6.2	6.4	6.3	6.2	6.3	6.9	6.6	6.7	6.6	6.2	6.4
13	6.4	6.2	6.3	6.6	6.1	6.4	6.7	6.5	6.6	6.6	6.4	6.5
14	6.4	6.2	6.3	6.5	6.4	6.4	6.5	6.2	6.5	6.7	6.4	6.6
15	6.4	6.4	6.4	6.6	6.4	6.5	6.5	6.2	6.4	6.6	6.4	6.5
16	6.4	6.2	6.3	6.6	6.5	6.5	6.5	6.3	6.4	6.6	6.5	6.5
17	6.5	6.2	6.3	6.5	6.3	6.4	6.7	6.3	6.5	6.5	6.3	6.4
18	6.3	6.1	6.2	6.4	6.2	6.3	6.7	6.4	6.6	6.5	6.2	6.3
19	6.1	6.0	6.1	6.4	6.2	6.3	6.7	6.5	6.6	6.5	6.3	6.4
20	6.1	6.0	6.0	6.6	6.1	6.4	6.6	6.3	6.5	6.4	6.2	6.3
21	---	---	---	6.6	6.4	6.5	6.4	6.2	6.4	6.4	6.3	6.3
22	6.3	6.2	6.2	6.6	6.4	6.5	6.5	6.2	6.4	6.6	6.3	6.4
23	6.5	6.3	6.4	6.6	6.5	6.5	6.4	6.2	6.3	6.5	6.3	6.4
24	6.5	6.3	6.4	6.5	6.2	6.3	6.8	6.2	6.5	6.5	6.3	6.4
25	6.5	6.4	6.4	6.4	6.2	6.3	6.7	6.4	6.6	6.5	6.3	6.4
26	6.5	6.3	6.4	6.3	6.2	6.3	6.7	6.5	6.6	6.4	6.4	6.4
27	6.4	6.2	6.3	6.7	6.1	6.4	6.7	6.4	6.6	6.5	6.4	6.4
28	---	---	---	6.7	6.6	6.6	6.5	6.3	6.5	6.4	6.3	6.4
29	6.5	6.4	6.4	6.9	6.6	6.7	6.6	6.3	6.5	6.4	6.3	6.4
30	6.5	6.4	6.4	6.7	6.5	6.6	6.7	6.4	6.6	6.5	6.3	6.4
31	---	---	---	6.5	6.2	6.4	6.9	6.5	6.7	---	---	---
MONTH	---	---	---	6.9	6.0	6.4	6.9	6.1	6.5	6.7	6.2	6.4
YEAR	7.0	6.0	6.5									

SANTEE RIVER BASIN

02153050 GOFORTH CREEK NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°09'40", long 81°38'40", Cherokee County, at bridge on County Highway 63, 1.5 mi (2.4 km) downstream from Sarratt Creek, 6.1 mi (9.8 km) north of Gaffney, and at mile 1.7 (2.7 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0730	20.0	36	6.5	8.2	75
OCT.						
02...	1230	14.0	30	--	9.7	88
25...	0735	12.0	37	7.1	9.6	95
NOV.						
16...	1015	9.0	36	7.9	7.1	170
DEC.						
29...	1130	8.0	40	6.7	11.4	50
JAN., 1973						
23...	1105	10.0	36	6.8	11.8	170
FEB.						
08...	1210	9.0	32	6.8	11.2	60
MAR.						
20...	1050	12.0	33	7.3	10.4	88
APR.						
25...	1150	18.0	32	7.1	9.7	>1000
MAY						
30...	1005	19.5	35	6.5	7.8	>660
JUNE						
21...	0955	20.0	32	6.9	8.9	560 *

SANTEE RIVER BASIN

02153060 BOWENS RIVER NEAR BLACKSBURG, S.C.

LOCATION.--Lat 35°09'40", long 81°34'00", Cherokee County, at bridge on County Highway 243, 0.8 mi (1.3 km) downstream from North Carolina-South Carolina State line, 2.5 mi (4.0 km) upstream from Southern Railway bridge, 4.0 mi (6.4 km) northwest of Blacksburg, and at mile 2.5 (4.0 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0845	19.0	44	6.6	8.5	--
OCT.						
02...	1130	15.0	48	6.8	11.4	--
25...	0830	12.0	60	6.8	9.7	200
NOV.						
16...	1150	9.5	52	7.6	8.4	170
DEC.						
29...	1210	9.0	52	7.0	11.8	100
JAN., 1973						
23...	1245	12.0	44	6.8	10.4	78
FEB.						
08...	1130	8.5	45	7.0	11.2	32 *
MAR.						
20...	1145	11.0	47	6.9	9.4	360
APR.						
25...	1240	17.0	50	7.2	10.1	>2500
MAY						
30...	1135	20.0	50	6.7	8.0	610
JUNE						
21...	0905	19.5	48	6.9	8.7	980 *

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*Value based on non-ideal colony count.

SANTEE RIVER BASIN

02153065 UNNAMED TRIBUTARY TO BOWENS RIVER NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°10'00", long 81°34'50", Cherokee County, at bridge on unpaved road, 7.8 mi (12.6 km) northeast of Gaffney, and at mile 1.2 (1.9 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
24...	0930	20.0	56	6.9	8.6	100
OCT.						
02...	1140	14.0	48	6.8	10.2	--
25...	0950	12.5	54	7.0	10.4	580
NOV.						
16...	1145	9.5	49	7.3	8.4	1300
DEC.						
20...	1215	9.0	46	6.8	11.7	320
JAN., 1973						
23...	1230	10.5	45	7.0	10.2	55 *
FEB.						
08...	1140	8.0	42	7.0	10.8	45
MAR.						
20...	1125	12.0	45	6.8	10.1	270
APR.						
25...	1225	17.0	46	7.2	10.2	>2500
MAY						
30...	1115	20.0	49	6.7	9.0	820
JUNE						
21...	0920	20.0	46	7.0	8.9	480

SANTEE RIVER BASIN

02153200 BROAD RIVER NEAR BLACKSBURG, S.C.

LOCATION.--Lat 35°07'20", long 81°35'20", Cherokee County, at bridge on State Highway 18, 0.6 mi (1.0 km) downstream from Bowens River, 1.1 mi (1.8 km) upstream from Buffalo Creek, 3.0 mi (4.8 km) upstream from discontinued gaging station, 4.1 mi (6.6 km) northwest of Blacksburg, and at mile 273.4 (439.9 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
24...	0815	25.0	--	7.0	9.1	25
OCT.						
02...	1200	17.5	45	7.1	9.9	--
25...	0815	16.0	56	6.7	9.4	550
NOV.						
16...	1110	11.5	44	7.4	7.6	140
DEC.						
20...	1200	11.2	50	6.5	8.0	580
JAN., 1973						
23...	1210	10.0	36	6.9	12.0	--
FEB.						
08...	1150	8.5	38	7.1	11.0	120
MAR.						
20...	1110	11.5	36	6.8	11.2	500
APR.						
25...	1210	18.5	40	7.2	9.3	>2500
MAY						
30...	1035	20.5	34	6.6	8.0	740
JUNE						
21...	0940	22.5	42	7.1	8.8	2900

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*Value based on non-ideal colony count.

02153480 BUFFALO CREEK NEAR BLACKSBURG, S.C.

LOCATION.--Lat 35°07'40", long 81°33'00", Cherokee County, at bridge on State Highway 5, 1.9 mi (3.1 km) west of Blacksburg, and at mile 1.5 (2.4 km).

DRAINAGE AREA.--176 mi² (456 km²).

PERIOD OF RECORD.--Chemical analyses: October 1952 to September 1953, November 1971 to September 1973 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 25...	0935	16.5	130	6.3	9.6	>600
NOV. 16...	1230	10.5	95	7.6	3.2	>60000
DEC. 20...	1250	7.5	66	6.0	11.0	9200
JAN. 23...	1310	10.5	75	7.2	10.6	2800
FEB. 08...	1115	7.5	60	6.0	10.0	820
MAR. 20...	1200	12.5	60	6.7	10.4	1600
APR. 25...	1320	14.5	63	7.3	9.5	>2000
MAY 30...	1220	21.0	70	6.4	7.0	1600
JUNE 21...	0925	21.5	76	7.0	9.2	1300
JULY 27...	0920	26.0	90	7.3	7.6	--
SEP. 06...	1505	25.0	110	7.2	7.1	660

02153485 BUFFALO CREEK NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°07'00", long 81°34'20", Cherokee County, at left edge of water, 1.4 mi (2.3 km) downstream from State Highway 5, 3.6 mi (5.8 km) downstream from Southern Railway bridge, 5.5 mi (8.8 km) northeast of Gaffney, and at mile 0.1 (0.2 km).

PERIOD OF RECORD.--Chemical analyses: October 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT., 1972						
02...	1110	19.0	1200	10.9	8.6	--
25...	0915	15.0	310	10.1	9.1	**
NOV. 16...	1250	13.0	650	9.1	6.9	4300
DEC. 20...	1230	8.0	115	7.7	11.8	--
JAN., 1973 23...	1325	13.0	270	10.1	10.6	480
FEB. 08...	1100	8.5	90	8.0	10.5	820
APR. 25...	1300	17.0	95	8.4	9.5	>1000
JUNE 21...	0840	21.5	75	7.1	8.5	>1300

**Material specifically analyzed for but not defected.

02153500 BROAD RIVER NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°05'20", long 81°34'20", Cherokee County, at discontinued gaging station on right bank at downstream side of bridge on U.S. Highway 29, 0.3 mi (0.5 km) upstream from Cherokee Creek, 4.4 mi (7.1 km) downstream from Gaston Shoals Dam, 4.5 mi (7.2 km) east of Gaffney, and at mile 270.3 (434.9 km).

DRAINAGE AREA.--1,490 mi^2 (3860 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1949 to September 1950, August 1969 to June 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
02...	1020	18.0	50	6.9	8.6	--
25...	1010	17.0	90	6.8	9.2	660
NOV.						
16...	1500	11.0	46	9.3	7.4	1500
DEC.						
29...	1305	8.0	65	6.0	11.5	450
JAN.						
23...	1445	10.5	40	7.1	11.7	2000
FEB.						
08...	1030	9.0	50	7.4	11.8	360
MAR.						
20...	1240	12.0	45	6.6	10.2	600
APR.						
25...	1330	18.0	50	7.2	9.1	>2500
MAY						
30...	1300	21.0	40	6.5	7.8	880
JUNE						
21...	0800	22.0	53	7.0	8.4	2500

SANTEE RIVER BASIN

02153501 CHEROKEE CREEK AT STATE HIGHWAY 18 NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°08'50", long 81°36'50", Cherokee County, at bridge on State Highway 18, 0.4 mi (0.6 km) upstream from Providence Branch, 1.6 mi (2.6 km) upstream from Southern Railway bridge, 3.1 mi (5.0 km) northeast of Gaffney, and at mile 3.6 (5.8 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1200	24.0	76	7.3	8.2	110
OCT.						
02...	1210	20.0	43	6.9	9.0	260
25...	1130	16.0	60	5.9	8.3	150
NOV.						
16...	1325	13.0	48	7.8	7.7	130
DEC.						
29...	1350	8.5	48	6.8	11.5	170
JAN., 1973						
23...	1355	10.5	40	7.0	12.3	>800
FEB.						
08...	0950	7.5	40	7.0	11.5	600
MAR.						
20...	1315	13.0	38	6.9	9.7	>800
APR.						
25...	1435	19.0	39	6.9	9.0	>1600
MAY						
30...	1355	25.5	39	6.7	7.1	160
JUNE						
21...	0610	24.0	40	6.8	7.7	50

02153502 PROVIDENCE BRANCH AT STATE HIGHWAY 18 NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°05'50", long 81°38'00", Cherokee County, at bridge on State Highway 18, 2.1 mi (3.4 km) north of Gaffney, and at mile 1.0 (1.6 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
23...	0750	21.0	105	7.1	8.6	150
OCT.						
02...	1245	--	100	7.5	10.3	--
26...	0900	12.5	95	6.3	9.1	350
NOV.						
16...	1410	10.5	95	7.7	9.0	420
DEC.						
29...	1145	8.0	100	7.2	11.4	260
JAN., 1973						
23...	1410	12.0	95	7.6	11.4	770
FEB.						
08...	1230	9.5	90	7.4	11.2	420
MAR.						
20...	1030	12.0	83	7.2	10.2	350
APR.						
25...	1110	16.5	95	7.5	9.6	>2000
MAY						
30...	0930	19.5	100	7.3	8.1	270
JUNE						
21...	0625	20.0	90	7.3	8.7	530

SANTEE RIVER BASIN

02153503 PROVIDENCE BRANCH NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°05'50", long 81°37'20", Cherokee County, at footbridge, 300 ft (91m) behind Gaffney Sewage Treatment Plant, 0.5 mi (0.8 km) downstream from State Highway 18, 2.3 mi (3.7 km) northeast of Gaffney, and at mile 0.5 (0.8 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1145	--	120	7.4	8.6	190
OCT.						
02...	0930	14.0	120	7.0	10.0	355
26...	1130	15.0	120	5.6	9.6	400
NOV.						
16...	1345	10.5	110	7.5	8.2	3000
DEC.						
29...	1350	9.0	120	7.2	11.2	130
JAN., 1973						
23...	1425	13.0	95	7.2	9.1	>4000
FEB.						
08...	0950	8.5	95	7.3	11.3	1900
MAR.						
20...	1315	13.5	95	7.1	9.7	>4000
APR.						
25...	1430	18.5	100	7.3	9.5	>6600
MAY						
30...	1350	25.0	110	6.9	7.3	3900*
JUNE						
21...	0710	20.5	100	7.2	8.5	3100*

*Value based on non-ideal colony count.

02153504 CHEROKEE CREEK NEAR GAFFNEY, S.C.

LOCATION.--Lat 34°06'00", long 81°35'00", Cherokee County, at bridge on U.S. Highway 29, 1.6 mi (2.6 km) downstream from Southern Railway bridge, 2.8 mi (4.5 km) downstream from Providence Branch, 3.9 mi (6.3 km) east of Gaffney, and at mile 0.4 (0.6 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1050	22.5	90	7.1	9.1	470
OCT.						
02...	1005	16.0	65	7.1	9.2	830
25...	1020	15.0	105	6.9	10.0	800
NOV.						
16...	1445	12.0	65	7.3	7.7	>3000
DEC.						
29...	1315	8.0	75	7.1	11.4	770
JAN., 1973						
23...	1505	11.5	52	7.1	10.7	1800
FEB.						
08...	1020	9.0	45	7.1	11.2	1200
MAR.						
20...	1245	13.5	53	7.1	10.2	1200
APR.						
25...	1345	18.0	79	7.4	9.4	--
MAY						
30...	1315	23.0	61	6.8	7.2	4300
JUNE						
21...	0745	21.5	78	7.2	8.2	820

02153505 PEOPLES CREEK NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°03'40", long 81°33'30", Cherokee County, at bridge on County Highway 50, 5.0 mi (8.0 km) east of Gaffney, and at mile 0.1 (0.2 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
25...	1155	15.5	260	7.7	9.2	350
NOV.						
16...	1520	10.5	240	7.3	7.9	>13000
DEC.						
29...	1325	8.5	170	7.1	11.2	830
JAN.						
23...	1525	12.0	150	7.3	10.3	970
FEB.						
08...	1010	9.0	180	7.3	10.1	1300
MAR.						
20...	1300	13.0	140	7.2	9.6	800
APR.						
25...	1400	18.0	170	7.4	10.4	--
MAY						
30...	1325	23.0	200	7.0	7.0	400
JUNE						
21...	0735	21.0	200	7.5	7.9	370
JULY						
27...	0940	25.0	250	7.5	7.2	270

02153680 BROAD RIVER NEAR HICKORY GROVE, S.C.

LOCATION.--Lat 34°56'20", long 81°29'00", York County, at bridge on State Highway 211, 2.0 mi (3.2 km) upstream from Thicketty Creek, 4.8 mi (7.7 km) southwest of Hickory Grove, 6.9 mi (11.1 km) upstream from Pacolet River, and at mile 255.3 (410.8 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 20...	1245	14.5	85	7.6	11.6	--
NOV. 09...	1130	15.0	70	7.5	9.3	1500
DEC. 27...	1325	9.0	57	6.7	12.0	360
JAN. 18...	1100	6.0	65	7.5	11.9	160
FEB. 15...	1115	8.0	50	7.3	12.4	660
MAR. 08...	1130	14.0	50	6.8	11.4	360
APR. 12...	0820	10.0	42	--	11.0	--
MAY 10...	1105	20.5	44	7.3	8.8	1100
JUNE 20...	1040	23.5	51	7.2	8.8	>4000
JULY 27...	1025	27.0	61	7.5	9.1	470

SANTEE RIVER BASIN

02153710 THICKETTY CREEK NEAR WILKENSVILLE, S.C.

LOCATION.--Lat 34°54'40", long 81°29'30", Cherokee County, at bridge on State Highways 211-105, 0.8 mi (1.3 km) downstream from Gilkey Creek, 4.4 mi (7.1 km) south of Wilkensville, and at mile 1.5 (2.4 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 tc July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 20...	1145	12.5	100	7.3	11.2	--
NOV. 09...	1110	12.5	95	7.2	7.4	>2000
DEC. 27...	1340	8.0	72	7.3	11.6	220
JAN. 18...	1115	6.0	68	7.3	11.9	260
FEB. 15...	1125	7.0	60	7.2	12.0	700
MAR. 08...	1140	13.5	65	6.4	9.9	260
APR. 12...	0945	9.5	60	--	10.0	--
MAY 10...	1115	20.0	71	7.3	9.0	700
JUNE 20...	1100	23.0	75	7.1	8.9	--
JULY 27...	1040	25.0	87	7.4	7.8	1100

02154500 NORTH PACOLET RIVER AT FINGERVILLE, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, at gaging station on right bank at McMillin Mill, about 400 ft (120 m) downstream from Obed Creek, 1.4 mi (2.3 km) south of Fingerville, and at [illegible] mile 48.5 (78.0 km).

DRAINAGE AREA.--116 mi² (300 km²).

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972 28...	1100	23.0	210	65	6.6	8.3	--
AUG. 23...	1205	22.0	132	95	6.4	8.3	--
SEP. 28...	1155	21.5	110	92	6.5	8.6	2100
OCT. 18...	1010	15.5	116	90	--	9.8	520
NOV. 15...	1010	13.0	320	46	7.3	8.3	140
DEC. 21...	1200	4.5	330 **	75	--	11.4	--
JAN., 1973 24...	1015	7.0	278 **	62	7.3	10.2	370
FEB. 22...	1055	5.0	228	50	6.6	11.7	80*
MAR. 14...	1045	17.0	335	60	6.0	10.3	560
APR. 11...	0845	8.0	371	54	7.0	11.2	280
MAY 17...	1030	15.0	230	67	7.3	8.3	39
JUNE 20...	1250	21.5	240	58	7.1	9.1	920
JULY 26...	1315	24.0	206	70	7.3	8.1	1100

SANTEE RIVER BASIN

02155500 PACOLET RIVER NEAR FINGERVILLE, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, at gaging station on right bank 100 ft (30 m) upstream from highway bridge, 0.2 mi (0.3 km) downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 mi (4.5 km) southeast of Fingerville, and at mile 46.5 (74.8 km).

DRAINAGE AREA.--212 mi² (549 km²).

PERIOD OF RECORD.--Chemical analyses, October 1952 to September 1953, October 1958 to September 1962, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972 28...	1115	24.0	260	72	7.0	9.0	1500
AUG. 23...	1150	24.0	169	65	7.0	7.8	100
SEP. 28...	1140	24.0	208	45	6.7	9.0	940
OCT. 18...	0955	16.5	150	72	6.8	9.3	320
NOV. 15...	1030	13.0	460	46	6.9	7.4	190
DEC. 21...	1150	7.5	626	48	--	11.4	--
JAN., 1973 24...	1100	7.0	419	52	7.2	10.5	1000
FEB. 22...	1040	5.0	320	50	6.9	11.5	93*
MAR. 14...	1055	16.5	691	49	5.9	10.4	370
APR. 11...	0830	10.5	720	56	7.0	10.6	40
MAY 17...	1040	17.0	369	53	7.0	9.0	260
JUNE 20...	1230	22.0	352	50	7.0	8.2	2000
JULY 25...	1345	23.5	352	65	7.4	8.2	2900

*Value based on non-ideal colony count.
**Mean daily discharge.

02155520 PACOLET RIVER NEAR CHESNEE, S.C.

LOCATION.--Lat 35°06'23", long 81°55'11", Spartanburg County, at bridge on County Highway 43, 3.0 mi (4.8 km) upstream from Buck Creek, 3.1 mi (5.0 km) downstream from gaging station, 4.5 mi (7.2 km) southwest of Chesnee, and at mile 43.4 (69.8 km).

DRAINAGE AREA.--212 mi^2 (549 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
18...	0940	--	80	6.8	9.7	400
NOV.						
15...	1100	13.0	48	7.3	8.2	240
DEC.						
21...	1135	8.5	60	7.0	11.2	--
JAN.						
24...	1150	8.0	50	7.2	11.8	440
FEB.						
22...	1030	5.0	52	7.2	12.1	120
MAR.						
14...	1200	16.0	47	6.2	10.2	420
APR.						
11...	0815	9.0	80	7.1	11.2	380
MAY						
17...	1115	17.0	53	7.1	8.3	260
JUNE						
20...	1215	22.0	49	7.2	8.8	560
JULY						
26...	1410	25.0	58	7.4	8.2	920

SANTEE RIVER BASIN

02155850 PACOLET RIVER AT CLIFTON, S.C.

LOCATION.--Lat 35°58'45", long 81°48'55", Spartanburg County, at bridge on County Highway 30, at Clifton, 0.8 mi (1.3 km) downstream from Southern Railroad bridge, 1.9 mi (3.1 km) upstream from discontinued gaging station, 4.6 mi (7.4 km) upstream from Lawsons Fork Creek, and at mile 30.1 (48.4 km).

DRAINAGE AREA.--320 mi^2 (829 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
18...	0835	17.5	62	6.7	9.0	>10000
NOV.						
15...	1230	14.0	46	7.2	8.2	3200
DEC.						
20...	1600	8.5	50	7.5	11.2	14000
JAN.						
24...	1600	9.5	42	7.2	12.2	880
FEB.						
22...	0950	4.5	50	7.1	12.4	430
MAR.						
14...	1300	18.0	44	6.3	9.9	400
APR.						
11...	1230	12.0	65	7.1	10.8	560
MAY						
17...	1200	17.0	53	6.8	8.9	1200
JUNE						
20...	1035	22.0	44	7.3	8.8	800
JULY						
26...	1450	26.0	52	7.4	7.9	1100

02156200 LAWSONS FORK CREEK AT WHITNEY, S.C.

LOCATION.--Lat 34°59'00", long 81°55'43", Spartanburg County, at bridge on U.S. Highway 221, at Whitney, 1.3 mi (2.1 km) upstream from Clinchfield Railroad bridge, 5.8 mi (9.3 km) upstream from discontinued gaging station, and at mile 12.8 (20.6 km).

DRAINAGE AREA.--58.4 mi^2 (151 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 18...	0905	15.0	85	6.8	9.1	260
NOV. 15...	1145	13.0	60	6.9	7.9	>2000
DEC. 21...	1110	9.5	75	7.2	11.4	--
JAN. 24...	1305	9.0	50	6.9	12.0	960
FEB. 22...	1015	5.0	70	7.0	12.0	80 *
MAR. 14...	1230	19.0	48	5.6	10.8	1300
APR. 11...	0750	7.5	52	6.8	11.2	940
MAY 17...	1140	15.5	63	6.8	8.6	250
JUNE 20...	1005	20.5	50	7.1	9.0	2200 *
JULY 26...	1430	26.0	53	7.1	8.2	1700

02156390 BROAD RIVER DIVERSION CANAL AT LOCKHART, S.C.

LOCATION.--Lat 34°47'20", long 81°27'30", Union County, at bridge on State Highway 9, at Lockhart, 0.9 mi (1.4 km) downstream from Thompson Ferry, 2.0 mi (3.2 km) upstream from Turkey Creek, and at mile 242.9 (390.8 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 20...	1120	14.5	85	7.1	10.8	630
NOV. 09...	1030	13.5	85	7.3	7.6	730
DEC. 27...	1250	9.0	60	6.8	11.4	210
JAN. 18...	1145	7.0	60	7.3	12.2	480
FEB. 15...	1045	7.0	60	7.2	12.0	1200
MAR. 08...	1230	14.0	50	6.9	11.6	560
APR. 12...	0920	10.5	50	--	10.8	--
MAY 10...	1015	20.0	47	7.2	8.6	2700*
JUNE 20...	1140	25.0	50	7.1	8.3	2100*
JULY 27...	1100	27.5	62	7.3	7.7	>3000

*Value based on non-ideal colony count.

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION.--Lat 34°35'46", long 81°25'20", Union County, at gaging station on right bank at downstream side of bridge on State Highway 72, 1.3 mi (2.1 km) upstream from Sandy River, 2.0 mi (3.2 km) downstream from Seaboard Coast Line Railroad bridge, 2.5 mi (4.0 km) east of Carlisle, 5.0 mi (8.0 km) downstream from Neal Shoals Dam, and at mile 226.0 (363.6 km).

DRAINAGE AREA.--2,790 mi^2 (7230 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1948, October 1962 to September 1964, September 1969 to September 1973.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
20...	1300	15.5	1620	90	7.7	10.4	800
NOV.							
09...	1000	13.0	2820	90	7.3	7.3	540
DEC.							
27...	1220	9.0	5310	60	6.8	11.0	150
JAN.							
19...	1300	4.0	8590	63	7.5	12.6	330
FEB.							
15...	1205	7.0	6800	56	--	12.4	720
MAR.							
08...	1230	14.5	6770	60	7.0	10.5	820
APR.							
12...	1030	11.5	7250	50	--	10.9	--
MAY							
10...	0930	20.5	7820	56	7.1	8.5	1400
JUNE							
20...	0950	23.0	8980	46	7.0	8.6	1800
JULY							
27...	1245	27.0	2990	62	7.6	7.6	1600

SANTEE RIVER BASIN

02156600 SANDY RIVER NEAR LEEDS, S.C.

LOCATION.--Lat 34°35'30", long 81°23'40", Chester County, at bridge on State Highway 215, 1.9 mi (3.1 km) downstream from Little Sandy River, 2.5 mi (4.0 km) south of Leeds, and at mile 2.8 (4.5 km).

DRAINAGE AREA.--100 mi^2 (260 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	1310	14.5	140	7.2	10.6	--
NOV.						
09...	1320	15.0	110	7.2	7.0	4600
DEC.						
27...	1210	7.0	100	7.2	11.2	500
JAN.						
19...	1310	7.0	85	7.2	12.2	3600*
FEB.						
15...	1215	7.0	60	7.1	11.9	2000
MAR.						
08...	1240	15.0	78	6.7	10.0	1000*
APR.						
12...	1035	10.0	80	--	10.6	--
MAY						
10...	1200	21.0	110	7.2	7.8	1800*
JUNE						
20...	1215	23.5	57	7.3	7.6	>6000
JULY						
27...	1310	25.5	110	7.6	7.1	1700

*Value based on non-ideal colony count.

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, at gaging station on left bank 80 ft (24 m) downstream from Frey Creek, 2.2 mi (3.5 km) north of Fairmont, and at mile 57.9 (93.2 km).

DRAINAGE AREA.--44 mi^2 (110 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).
Water Temperatures: October 1966 to September 1972.

EXTREMES, 1966-72.--Water Temperatures: Maximum, 24.5°C July 28, 29, 1969; minimum, 3.0°C Feb. 26, 1968.

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
JULY, 1972							
28...	1000	22.0	53	75	6.8	8.5	2000
AUG.							
23...	1045	20.5	30	--	6.6	8.0	80
SEP.							
28...	1210	21.0	26	80	6.7	8.6	400
OCT.							
19...	1040	15.0	36	80	6.8	9.2	170
NOV.							
15...	1345	13.5	42	65	6.9	7.3	310
DEC.							
20...	1440	8.5	70	60	7.4	10.6	430
JAN., 1973							
25...	1130	7.0	68	56	7.1	10.2	1100
FEB.							
22...	0815	6.5	64 **	60	7.0	12.6	170
MAR.							
14...	1010	10.0	102	49	5.9	10.1	270
APR.							
10...	1530	11.0	127	46	6.3	10.8	>4000
MAY							
17...	0930	14.0	66	50	7.0	8.6	1300 *
JUNE							
20...	0920	20.5	70	54	7.0	8.3	400
JULY							
26...	1530	24.0	142	57	7.3	8.0	520

SANTEE RIVER BASIN

02158050 NORTH TYGER RIVER NEAR WOODRUFF, S.C.

LOCATION.--34°42'20", long 81°57'10", Spartanburg County, at bridge on County Highway 231, 0.2 mi (0.3 km) downstream from Wards Creek, 2.2 mi (3.5 km) downstream from discontinued gaging station, 3.2 mi (5.1 km) upstream from confluence with South Tyger River, 5.7 mi (9.2 km) northeast of Woodruff, and at mile 43.0 (69.2 km).

DRAINAGE AREA.--162 mi^2 (420 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued)

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.						
27...	1120	13.0	450	9.3	9.5	--
NOV.						
15...	1435	14.0	200	7.4	9.5	>1000
DEC.						
21...	1305	10.5	200	--	10.2	--
JAN.						
25...	0945	6.0	160	7.8	11.2	740
FEB.						
22...	1140	6.0	220	7.0	11.2	100
MAR.						
14...	1430	17.0	130	6.4	9.6	290
APR.						
11...	0935	8.5	100	7.3	11.0	560
MAY						
17...	1250	18.0	200	7.6	7.7	1000
JUNE						
20...	0930	23.0	180	8.6	7.1	380
JULY						
27...	0810	25.5	200	7.5	7.7	--

*Value based on non-ideal colony count.
**Mean daily discharge.

02158400 SOUTH TYGER RIVER NEAR GREER, S.C.

LOCATION.--34°57'06", long 82°11'06", Spartanburg County, at bridge on U.S. Highway 29, 2.1 mi (3.4 km) upstream from Southern Railroad bridge, 3.5 mi (5.6 km) east of Greer, and at mile 28.0 (45.1 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
17...	1445	20.0	44	6.6	9.2	38
NOV.						
15...	0900	13.0	42	7.4	7.7	400
DEC.						
20...	1415	7.0	42	7.3	12.4	450
JAN.						
25...	1215	8.0	38	7.2	10.6	110
FEB.						
21...	1440	7.0	34	7.4	12.2	--
MAR.						
14...	0930	18.5	36	5.8	9.2	500
APR.						
10...	1505	12.0	32	6.1	11.1	1100
MAY						
17...	0900	17.0	36	7.0	9.0	280
JUNE						
20...	0740	24.0	35	6.9	7.9	180
JULY						
26...	1545	25.5	37	7.1	7.7	160

SANTEE RIVER BASIN

02159000 SOUTH TYGER RIVER NEAR WOODRUFF, S.C.

LOCATION.--Lat 34°45'21", long 81°56'19", Spartanburg County, at bridge on County Highway 230, 0.4 mi (0.6 km) downstream from Ferguson Creek, 2.6 mi (4.2 km) upstream from discontinued gaging station, 4.7 mi (7.6 km) east of Woodruff, and at mile 3.1 (5.0 km).

DRAINAGE AREA.--174 mi^2 (451 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
27...	1110	13.0	58	6.9	9.6	--
NOV.						
15...	1450	14.0	46	7.0	7.8	>2000
DEC.						
21...	1250	9.5	48	7.1	10.4	95
JAN.						
25...	1015	6.0	46	7.0	12.2	600
FEB.						
22...	1125	5.5	44	6.9	12.0	110
MAR.						
14...	1450	17.5	43	6.5	9.3	1500
APR.						
11...	0925	9.0	40	6.8	10.4	360
MAY						
17...	1300	18.0	44	6.9	7.8	380
JUNE						
20...	0915	23.0	44	7.0	7.9	380
JULY						
27...	0830	25.0	44	6.8	7.1	360

02159500 TYGER RIVER NEAR WOODRUFF, S.C.

LOCATION.--34°45'14", long 81°55'30", Spartanburg County, at discontinued gaging station at bridge on County Highway 50, 0.5 mi (0.8 km) downstream from confluence of North and South Tyger Rivers, 4.5 mi (7.2 km) upstream from Jimmies Creek, 6.2 mi (10 km) east of Woodruff, and at mile 39.3 (63.2 km).

DRAINAGE AREA.--351 mi^2 (909 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
27...	1120	13.5	280	7.6	9.7	>2000
NOV.						
15...	1420	14.5	100	7.4	7.4	>1000
DEC.						
21...	1315	10.5	110	--	11.1	--
JAN.						
25...	0930	6.0	68	7.3	10.6	>4000
FEB.						
22...	1200	6.0	150	7.7	11.7	120
MAR.						
14...	1400	19.5	48	6.1	11.0	490
APR.						
11...	0945	9.5	52	7.0	10.8	340
MAY						
17...	1245	18.0	70	7.0	8.7	>5000
JUNE						
20...	0900	23.0	66	7.2	8.3	630
JULY						
27...	0800	25.0	63	7.4	8.2	>1500

SANTEE RIVER BASIN

02159700 TYGER RIVER NEAR UNION, S.C.

LOCATION.--Lat 34°40'00", long 81°44'23", Union County, at bridge on State Highway 49, 1.2 mi (1.9 km) upstream from Isaac Creek, 3.8 mi (6.1 km) downstream from Dutchmans Creek, 7.4 mi (11.9 km) southwest of Union, and at mile 26.0 (41.8 km).

PERIOD OF RECORD.--Chemical analyses: August 1969 to June 1971, August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1035	24.0	165	7.5	7.7	450
OCT.						
02...	0945	18.5	200	7.3	6.6	260
16...	0930	15.0	190	7.1	9.5	--
NOV.						
21...	1040	11.0	95	7.2	7.7	990
DEC.						
13...	1110	10.0	120	7.5	10.2	170
JAN., 1973						
16...	0950	4.0	65	7.5	13.2	300
FEB.						
19...	0915	6.5	90	7.4	11.0	300
MAR.						
15...	1050	19.0	85	6.7	9.8	300
APR.						
16...	1050	13.0	60	--	10.1	20*
MAY						
29...	1230	21.0	46	7.0	7.8	>2000
JUNE						
14...	1020	23.5	110	7.5	7.6	430

*Value based on non-ideal colony count.

02159980 FAIRFOREST CREEK NEAR BUFFALO, S.C.

LOCATION.--Lat 34°42'55", long 81°42'40", Union County, at bridge on State Highway 215, 1.9 mi (3.1 km) west of Buffalo, 3.0 mi (4.8 km) downstream from Rocky Creek, 3.2 mi (5.1 km) upstream from Buffalo Creek, 3.5 mi (5.6 km) upstream from discontinued gaging station, and at mile 11.0 (17.7 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0850	22.5	180	7.1	7.8	240
OCT.						
02...	1400	--	200	7.2	--	285
31...	0930	14.5	200	7.4	6.3	900
NOV.						
21...	1315	11.5	100	6.8	6.9	560
DEC.						
13...	1300	11.0	150	7.3	10.0	240
JAN., 1973						
16...	1230	6.0	95	7.7	13.5	170
FEB.						
16...	1100	5.5	110	7.3	11.0	540
MAR.						
15...	1315	19.5	100	6.4	7.9	480
APR.						
16...	1215	13.0	65	7.4	9.9	80*
MAY						
29...	1200	21.0	97	7.0	6.7	1100
JUNE						
14...	1115	23.0	115	7.4	7.7	150

SANTEE RIVER BASIN

02159990 BUFFALO CREEK AT STATE HIGHWAY 215 AT BUFFALO, S.C.

LOCATION.--Lat 34°43'25", long 81°40'30", Union County, at bridge on State Highway 215, at Buffalo, and 3.3 mi (5.3 km) upstream from Fairforest Creek.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0810	19.5	70	7.1	8.9	440
OCT.						
02...	1440	--	84	7.5	--	--
16...	1220	20.0	65	7.2	10.4	--
NOV.						
21...	1300	13.0	70	7.1	7.0	870
DEC.						
13...	1235	11.0	90	7.3	10.9	300
JAN., 1973						
16...	1200	8.0	65	7.3	12.4	310
FEB.						
16...	1030	5.0	62	7.2	11.8	330
MAR.						
15...	1250	20.5	60	6.3	8.4	440
APR.						
16...	1150	16.0	68	7.3	9.9	2500*
MAY						
29...	1050	20.0	60	7.2	7.6	2300*
JUNE						
14...	1155	23.0	63	7.3	8.4	450

*Value based on non-ideal colony count.

02159992 BUFFALO CREEK AT BUFFALO, S.C.

LOCATION.--Lat 34°43'20", long 81°40'35", Union County, at footbridge, at Buffalo, 0.3 mi (0.5 km) downstream from State Highway 215, and 3.0 mi (4.8 km) upstream from Fairforest Creek.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0835	20.0	81	7.0	8.8	--
OCT.						
02...	1430	--	90	7.2	--	--
16...	1200	17.0	75	6.9	11.6	--
NOV.						
21...	1250	13.0	75	6.8	7.1	10000
DEC.						
13...	1245	11.0	85	6.8	10.2	6000000
JAN., 1973						
16...	1215	8.5	70	7.6	12.0	8000 *
FEB.						
16...	1045	6.0	70	6.6	11.2	--
MAR.						
15...	1305	26.5	65	6.2	8.2	2000 *
APR.						
16...	1200	16.0	68	7.0	9.6	2000 *
MAY						
29...	1100	20.0	65	7.6	7.7	63000
JUNE						
14...	1140	23.0	73	7.5	8.4	--

SANTEE RIVER BASIN

02159994 BUFFALO CREEK NEAR UNION, S.C.

LOCATION.--Lat 34°41'03", long 81°41'10", Union County, at bridge on County Highway 134, 0.1 mi (0.2 km) upstream from Fairforest Creek, and 4.1 mi (6.6 km) southwest of Union.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1005	21.0	90	7.1	8.4	--
OCT.						
02...	1345	15.0	200	6.9	7.0	13000
16...	1000	14.0	90	7.0	10.2	--
NOV.						
21...	1110	11.0	85	7.2	7.4	14000
DEC.						
13...	1130	10.0	100	7.1	9.6	>40000
JAN., 1973						
16...	1025	5.0	75	7.4	12.8	2900
FEB.						
16...	0940	5.0	70	7.2	11.0	8500
MAR.						
15...	1135	19.5	75	6.2	8.6	21000 *
APR.						
16...	1110	14.0	75	9.7	10.2	6000
MAY						
29...	1230	20.5	70	7.2	7.4	>40000
JUNE						
14...	1045	22.0	80	7.2	8.0	21000 *

*Value based on non-ideal colony count.

02160000 FAIRFOREST CREEK NEAR UNION, S. C.

LOCATION.--Lat 34°40'45", long 81°41'25", Union County, at discontinued gaging station, at bridge on State Highway 49, 0.3 mi (0.5 km) downstream from Buffalo Creek, 4.3 mi (6.9 km) southwest of Union, and at mile 7.5 (12.1 km).

DRAINAGE AREA.--183 mi² (474 km²).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
24...	1025	23.0	165	7.1	8.0	520
OCT.						
02...	1000	16.5	--	5.7	6.6	--
16...	0950	14.0	200	6.9	9.5	--
NOV.						
21...	1050	11.0	100	7.1	7.8	1300
DEC.						
13...	1120	9.5	150	7.2	10.0	4000
JAN., 1973						
16...	1015	4.5	95	7.4	11.9	340
FEB.						
16...	0930	6.0	100	7.2	10.6	940
MAR.						
15...	1115	18.0	100	5.9	9.2	1400
APR.						
16...	1100	14.5	140	7.3	10.0	170*
MAY						
20...	1260	21.0	97	6.9	6.8	6600
JUNE						
14...	1035	23.5	110	7.4	7.5	660

02160020 TOSCHS CREEK AT COUNTY HIGHWAY 194 NEAR UNION, S.C.

LOCATION.--Lat 34°42'07", long 81°39'34", Union County, at bridge on County Highway 194, 1.5 mi (2.4 km) southwest of Union, and 2.7 mi (4.3 km) upstream from Shoal Creek.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
AUG., 1972						
24...	0920	26.0	100	7.5	9.1	--
OCT.						
02...	1115	--	1020	7.1	--	--
16...	1050	28.5	325	6.0	7.1	--
NOV.						
21...	1205	--	650	7.3	6.0	>60000
DEC.						
13...	1210	22.0	600	6.5	7.2	--
JAN., 1973						
16...	1120	15.5	650	7.3	7.7	>80000
FEB.						
16...	1005	18.0	500	7.1	6.3	>60000
MAR.						
15...	1220	22.0	130	6.3	9.0	380
APR.						
16...	1130	17.5	160	7.0	8.8	580
MAY						
20...	0945	22.0	100	7.1	7.2	35000
JUNE						
14...	1215	26.5	160	7.3	7.1	920

*Value based on non-ideal colony count.

02160022 TOSCHS CREEK AT COUNTY HIGHWAY 76 NEAR UNION, S.C.

LOCATION.--Lat 34°41'55", long 81°40'02", Union County, at bridge on County Highway 76, 1.4 mi (2.3 km) upstream from Shoal Creek, and 2.8 mi (4.5 km) southwest of Union.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0935	29.0	470	6.7	1.5	--
OCT.						
02...	1130	--	300	--	--	--
16...	1040	24.5	400	6.4	6.4	--
NOV.						
21...	1150	20.0	600	6.8	5.6	1900000
DEC.						
13...	1155	21.0	500	6.7	3.3	>6000000
JAN., 1973						
16...	1110	14.0	375	7.1	3.2	>2000000
FEB.						
14...	1015	12.0	280	6.9	6.7	--
MAR.						
15...	1230	26.0	260	6.1	1.9	1700000*
APR.						
16...	1140	23.0	350	6.6	3.5	850000
MAY						
29...	1030	26.0	220	6.7	3.5	830000
JUNE						
14...	1235	21.0	650	6.2	1.6	1600000*

SANTEE RIVER BASIN

02160025 TOSCHS CREEK AT STATE HIGHWAY 49 NEAR UNION, S.C.

LOCATION.--Lat 34°41'10", long 81°40'05", Union County, at bridge on State Highway 49, 0.7 mi (1.1 km) upstream from Shoal Creek, and 3.2 mi (5.1 km) southwest of Union.

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	0950	27.5	360	6.7	3.1	--
OCT.						
02...	1207	22.5	310	7.1	--	770000
16...	1030	21.0	260	6.0	3.4	--
NOV.						
21...	1125	16.0	400	7.1	4.3	720000
DEC.						
13...	1140	17.0	500	7.2	2.1	66000
JAN., 1973						
16...	1050	10.5	260	7.1	6.5	99000
FEB.						
16...	0940	11.0	220	7.0	5.7	570000
MAR.						
15...	1150	25.0	240	6.0	2.8	440000
APR.						
16...	1120	20.5	160	6.7	2.6	450000
MAY						
29...	1000	23.0	220	7.3	3.5	740000
JUNE						
14...	1245	30.0	320	6.6	1.4	1500000*

*Value based on non-ideal colony count.

02160105 TYGER RIVER NEAR DELTA, S.C.

LOCATION.--Lat 34°32'07", long 81°32'54", Union County, at gaging station at downstream side of bridge on State Highways 72-121, 0.8 mi (1.3 km) southeast of Delta, 0.9 mi (1.4 km) downstream from Seaboard Coast Line Railroad bridge, and at mile 9.0 (14.5 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to September 1973.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
20...	1000	11.5	175	7.4	10.8	7800
NOV.						
09...	0930	11.0	140	7.3	6.3	4100
DEC.						
27...	1435	9.0	--	6.9	11.0	--
JAN.						
18...	0950	5.0	100	7.5	12.4	2100*
FEB.						
15...	1010	7.0	80	7.2	11.5	1500
MAR.						
08...	1020	14.0	90	6.0	9.7	680
APR.						
12...	0955	10.5	80	--	10.6	--
MAY						
10...	0840	20.0	110	7.1	7.6	2000
JUNE						
20...	0930	22.5	66	6.9	7.0	7700
JULY						
27...	1230	27.0	125	7.5	7.0	9400

SANTEE RIVER BASIN

02160500 ENOREE RIVER NEAR ENOREE, S.C.

LOCATION.--Lat 34°36'36", long 81°54'33", Spartanburg County, at bridge on State Highway 49, 60 ft (18 m) downstream from gaging station, 0.6 mi (1.0 km) upstream from Warrior Creek, 4.0 mi (6.4 km) southeast of Enoree, and at mile 41.6 (66.9 km).

DRAINAGE AREA.--307 mi^2 (795 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: October 1971 to September 1948, July 1969 to June 1971, November 1971 to July 1973 (discontinued). Water temperatures: October 1966 to September 1972.

EXTREMES, 1966-72.--Water temperatures: Maximum, 28.0°C Aug. 22-24, 1968 and June 19, 22, 1970; minimum, 2.0°C Jan. 10, 13, Feb. 14, 1968, and Jan. 12, 13, 1970.

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.							
02...	0800	14.0	238	85	6.5	10.0	--
27...	1050	12.5	184	90	7.0	10.0	>660
NOV.							
15...	1510	13.5	640	60	6.8	8.1	>2000
JAN.							
16...	1315	7.5	400	54	7.3	12.2	240
FEB.							
16...	0830	6.5	550	56	7.2	11.4	2900
MAR.							
15...	1500	21.5	591	54	6.6	8.6	270
APR.							
11...	1005	9.0	774	80	6.9	10.8	--
MAY							
29...	1310	21.0	2120 **	40	7.8	8.0	>2000
JUNE							
14...	1305	25.0	498	60	7.5	8.3	1100
JULY							
27...	1200	25.0	404	66	7.0	7.7	1300

*Value based on non-ideal colony count.
**Mean daily discharge.

SANTEE RIVER BASIN

02160600 ENOREE RIVER NEAR CROSS ANCHOR, S.C.

LOCATION.--Lat 34°35'41", long 81°51'02", Union County, at bridge on State Highway 56, 0.4 mi (0.6 km) upstream from Cedar Shoals Creek, 3.5 mi (5.6 km) south of Cross Anchor, 4.8 mi (7.7 km) downstream from Warrior Creek, and at mile 36.2 (58.2 km).

PERIOD OF RECORD.--Chemical analyses: August 1972 to June 1973 (discontinued).

CHEMICAL ANALYSES, AUGUST 1972 TO JUNE 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
AUG., 1972						
24...	1100	23.5	78	7.2	8.6	270
OCT.						
02...	0915	10.5	102	7.2	7.2	2800
16...	0920	15.0	85	6.8	10.6	--
NOV.						
21...	1030	10.5	60	7.8	7.1	1100
DEC.						
13...	1045	10.0	70	7.1	10.8	530
JAN., 1973						
16...	1330	8.0	63	7.6	12.6	330
FEB.						
14...	1125	6.5	60	7.3	11.0	130
MAR.						
15...	1355	10.5	66	6.6	9.6	630
APR.						
16...	1030	13.5	53	7.2	10.4	80
MAY						
30...	0800	13.0	63	9.0	7.0	>2000
JUNE						
14...	1000	23.5	60	7.4	8.2	700

SANTEE RIVER BASIN

02160700 ENOREE RIVER AT WHITMIRE, S.C.

LOCATION.--Lat 34°30'33", long 81°35'54", Union County, at gaging station on upstream side of bridge on State Highway 72-121, 0.4 mi (0.6 km) downstream from Seaboard Coast Line Railroad bridge, 0.5 mi (0.8 km) northeast of Whitmire, and at mile 17.6 (28.3 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to September 1973.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	0930	11.5	80	7.1	11.0	--
NOV.						
09...	0920	11.5	75	7.3	7.3	600
DEC.						
27...	1450	9.0	62	6.9	10.8	370
JAN.						
18...	0930	6.0	60	7.3	12.8	80 *
FEB.						
15...	100	6.0	56	7.2	11.3	210
MAR.						
08...	1000	14.0	60	6.7	9.6	280
APR.						
12...	0905	10.5	56	--	10.6	--
MAY						
10...	0815	22.0	60	7.2	8.0	>3000
JUNE						
20...	0905	23.0	53	7.0	8.5	1200
JULY						
27...	1135	26.0	65	7.5	7.6	1500

*Value based on non-ideal colony count.

SANTEE RIVER BASIN

02161500 BROAD RIVER AT RICHTEX, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Richland County, at gaging station on right bank 0.8 (1.3 km) west of Richtex, 1.2 mi (1.9 km) upstream from Little River, 10.2 mi (16.4 km) downstream from Parr Shoals Dam, and at mile 191.2 (307.6 km).

DRAINAGE AREA.--4,850 m² (12,560 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1958 to September 1960, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
13...	1220	26.0	5600	65	7.2	7.6	40
AUG.							
30...	1200	26.5	1300	97	7.4	7.7	--
SEP.							
21...	1200	26.0	3900	95	7.1	8.0	--
OCT.							
17...	1250	19.5	1910	98	7.1	10.0	26 *
NOV.							
09...	1220	14.0	3900	95	6.9	9.9	**
DEC.							
07...	1040	10.0	4620	90	6.9	11.4	140
JAN., 1973							
17...	1230	7.5	7560	68	7.6	12.5	260
FEB.							
28...	1030	9.0	5730	75	7.3	11.6	30 *
MAR.							
29...	0920	15.0	12500	55	7.4	9.9	600 *
APR.							
27...	1130	19.5	6620	63	7.4	9.8	32 *
MAY							
25...	1120	23.0	4020	45	7.5	9.6	16 *
JUNE							
13...	1120	26.0	7240	58	7.0	8.3	220
JULY							
27...	1550	27.5	5940	75	7.1	7.1	200

SANTEE RIVER BASIN

02161900 LITTLE RIVER NEAR JENKINSVILLE, S.C.

LOCATION.--Lat 34°15'20", long 81°14'10", Fairfield County, at bridge on County Highway 60, 0.2 mi (0.3 km) downstream from Morris Creek, 3.2 mi (5.1 km) southeast of Jenkinsville, and at mile 9.5 (15.3 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
20...	1450	15.0	100	7.4	11.2	--
NOV.						
29...	1530	9.5	90	7.2	6.7	1300
DEC.						
27...	1130	7.0	80	7.0	11.0	1300
JAN.						
18...	1340	9.0	65	7.3	11.8	140
FEB.						
15...	1250	6.5	66	7.3	12.3	780
MAR.						
27...	1300	17.0	80	6.6	9.4	70
APR.						
12...	1110	11.0	68	--	10.7	--
MAY						
10...	1235	21.0	92	7.4	8.2	65
JUNE						
20...	1310	24.5	85	7.6	8.1	290
JULY						
27...	1350	26.5	92	7.6	7.4	440

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02162010 CEDAR CREEK NEAR BLYTHEWOOD, S.C.

LOCATION.--Lat 34°11'44", long 81°06'13", Richland County, on right bank at downstream side of bridge on State Road 59, 0.2 mi (0.3 km) above Williams Branch, 8.0 mi (12.9 km) southwest of Blythewood, and at mile 6.9 (11.1 km).

DRAINAGE AREA.--48 mi² (124 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY. 1972							
13...	1130	22.0	16	100	7.4	8.2	290
AUG.							
30...	0945	21.5	23	85	7.2	7.7	--
SEP.							
26...	0730	20.0	5.9	115	7.3	7.9	40
OCT.							
20...	0830	9.5	4.6	115	7.2	9.6	320
NOV.							
29...	1630	9.5	15	75	7.2	7.4	45
DEC.							
07...	0925	11.0	80	75	6.7	10.8	310
JAN.. 1973							
17...	1120	8.5	90	65	7.3	12.4	100
FEB.							
09...	1025	8.0	124	65	7.3	11.1	280
MAR.							
28...	1150	15.5	50	75	7.1	10.5	140
APR.							
27...	1315	19.0	39	80	7.2	9.2	340
MAY							
25...	1005	19.0	23	88	7.4	8.8	390
JUNE							
13...	0930	22.0	80	67	7.2	8.3	310
JULY							
23...	1440	27.0	16	75	7.2	6.7	270

SANTEE RIVER BASIN

02162080 CRANE CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 34°03'14", long 81°03'36", Richland County, at bridge on Brickyard Road, 1.2 mi (1.9 km) upstream from mouth, 1.2 mi (1.9 km) downstream from State Highway 215, and 4.0 mi (6.4 km) northwest of State Capitol.

DRAINAGE AREA.--66.5 mi² (172.2 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY. 1972							
13...	1100	24.0	4.5	62	6.9	7.5	140
AUG.							
22...	1130	23.5	40	110	6.7	7.2	350
SEP.							
21...	1100	22.0	11	75	6.9	7.3	--
OCT.							
17...	1220	21.0	3.2	80	6.8	10.0	93 *
NOV.							
09...	1145	13.5	44	59	6.7	9.5	2300
DEC.							
07...	0945	11.5	116	59	6.8	10.3	1100
JAN.. 1973							
17...	1355	8.5	141	47	7.1	12.4	320
FEB.							
09...	1000	9.0	110**	66	7.0	10.9	430
MAR.							
28...	1230	16.5	90	41	6.4	10.2	290
APR.							
27...	1400	20.0	92	44	6.7	8.4	680
MAY							
25...	0940	20.5	13	53	6.7	8.2	140
JUNE							
13...	0955	23.0	120	42	6.5	7.3	340
JULY							
23...	1415	28.0	3.5	56	7.0	6.0	300

*Value based on non-ideal colony count.
**Mean daily discharge.

02162300 SOUTH SALUDA RIVER NEAR MARIETTA, S.C.

LOCATION.--Lat 35°02'20", long 82°35'20", Greenville County, at bridge on County Highway 101, 3.0 mi (4.8 km) upstream from Oolenoy River, 5.0 mi (8.0 km) west of Marietta, and at mile 159.3 (256.3 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
17...	1230	17.5	26	6.9	9.7	26
NOV.						
14...	1300	17.0	20	6.7	7.8	300
DEC.						
20...	1215	8.5	19	7.0	11.4	210
JAN.						
26...	1305	7.0	18	7.4	10.4	75
FEB.						
21...	1040	5.0	20	6.7	12.2	180
MAR.						
13...	1230	15.5	19	6.1	9.6	12*
APR.						
10...	1330	10.0	17	6.3	11.0	12*
MAY						
13...	1245	16.0	20	5.7	8.6	650*
JUNE						
20...	0650	22.0	17	6.9	8.4	130
JULY						
26...	1100	22.5	21	7.1	8.2	130

SANTEE RIVER BASIN

02162400 NORTH SALUDA RIVER AT MARIETTA, S. C.

LOCATION.--Lat 35°01'00", long 82°29'44", Greenville County, at bridge on U S. Highway 276, at Marietta, 0.4 mi (0.6 km) downstream from Greenville and Northern Railroad bridge, 0.8 mi (1.3 km) upstream from Beaverdam Creek, and at mile 6.0 (9.7 km).

DRAINAGE AREA.--66.4 mi^2 (172.0 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.						
17...	1250	17.0	40	6.5	9.7	930
NOV.						
14...	1320	17.0	28	6.6	7.3	5200
DEC.						
20...	1235	8.5	42	6.7	10.9	19000
JAN.						
26...	1330	7.5	36	7.1	9.8	4700
FEB.						
21...	1055	6.0	34	6.9	11.8	2800
MAR.						
13...	1250	17.0	32	6.1	9.7	1400
MAY						
16...	1315	18.0	34	5.6	8.8	6200
JUNE						
20...	0630	20.0	33	6.7	8.2	3100
JULY						
26...	1140	21.0	38	7.1	8.1	2700

*Value based on non-ideal colony count.

02162450 SALUDA RIVER NEAR TRAVELERS REST, S.C.

LOCATION.--Lat 34°53'20", long 82°29'50", Greenville County, at bridge on State Highway 183, 0.6 km (1.0 km) downstream from Coopers Creek, 6.2 mi (10.0 km) southwest of Travelers Rest, and at mile 138.8 (223.3 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 17...	1310	17.5	37	6.5	8.8	240
NOV. 14...	1400	16.5	30	6.6	7.1	>6000
DEC. 20...	1250	8.0	30	6.7	11.2	380
JAN. 26...	1400	7.5	28	7.2	10.5	270
FEB. 21...	1115	6.0	28	6.8	11.9	10 *
MAR. 13...	1310	16.0	26	6.4	10.2	200
APR. 10...	1405	10.5	24	6.2	10.8	120
MAY 16...	1400	17.5	26	5.9	9.4	1100
JUNE 19...	1325	22.5	27	6.8	8.3	500
JULY 26...	1200	23.0	30	7.1	8.0	480

02162500 SALUDA RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34°50'32", long 82°28'51", Pickens County, at gaging station on right bank 700 ft (213 m) upstream from bridge on State Road 124, 1.6 mi (2.6 km) downstream from Saluda Lake Dam, 2.4 mi (3.9 km) upstream from Georges Creek, 4.6 mi (7.4 km) west of city hall in Greenville, and at mile 132.0 (212.4 km).

DRAINAGE AREA.--293 mi² (759 km²).

PERIOD OF RECORD.--Chemical analyses: October 1950 to September 1951, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972 31...	1215	24.0	455	36	6.4	9.0	250
AUG. 23...	1250	25.0	430	36	6.3	7.8	--
SEP. 12...	0740	20.5	269	34	6.7	8.9	10 *
OCT. 17...	1330	14.0	269 **	34	6.7	8.8	10 *
NOV. 14...	0945	14.0	700 **	32	6.8	6.6	260
DEC. 20...	1310	6.0	1500 **	28	6.7	11.8	320
JAN., 1973 26...	0920	4.0	910	26	7.4	10.6	330
FEB. 21...	1130	6.5	917	26	6.4	12.1	--
MAR. 13...	0930	15.5	1430	25	6.1	9.1	1500
APR. 10...	1420	11.0	1750	23	6.0	10.2	350
MAY 15...	0930	18.0	1030	24	6.6	8.0	1900 *
JUNE 19...	1345	24.0	435	26	6.3	8.1	350
JULY 25...	1220	23.0	544	30	6.3	7.4	480

*Value based on non-ideal colony count.
**Mean daily discharge.

SANTEE RIVER BASIN

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°23"23", long 82°13'14", Greenwood County, at bridge on U. S. Highway 25 bypass, 0.9 mi (1.4 km) upstream from gaging station, 1.4 mi (2.3 km) southeast of Ware Shoals Dam, 1.6 mi (2.6 km) downstream from Ware Shoals Dam, 5.8 mi (9.3 km) upstream from Turkey Creek, and at mile 84.6 (136.1).

DRAINAGE AREA.--569 mi^2 (1474 km^2) (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
16...	1005	--	387	52	7.2	9.5	50
NOV.							
13...	1130	17.0	375	58	7.4	6.6	88
DEC.							
18...	1055	6.0	3150	33	7.2	12.2	320
JAN.							
30...	1050	5.0	1570	42	7.3	13.4	>1000
FEB.							
20...	1130	5.0	1080	--	6.8	--	100
MAR.							
12...	1545	20.0	3060	35	6.4	9.9	2600*
APR.							
10...	0920	11.5	3130	28	6.5	10.7	1200
MAY							
15...	1330	21.0	1450	40	6.2	8.0	>10000
JUNE							
19...	0815	26.0	1200	38	7.4	8.2	1700
JULY							
25...	1310	27.5	875	48	7.2	7.6	2000

SANTEE RIVER BASIN

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION.--Lat 34°26'40", long 82°10'35", Laurens County, at gaging station on left bank 1.9 mi (3.1 km) downstream from dam at Boyd's Mill, 4.5 mi (7.2 km) upstream from Walnut Creek, 5.0 mi (8.0 km) northeast of Ware Shoals, and at mile 12.8 (20.6 km).

DRAINAGE AREA.--228 mi^2 (591 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1969 to July 1973 (discontinued).
Water temperatures: February 1971 to June 1972.

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
31...	1445	25.5	479	160	6.7	6.6	--
AUG.							
31...	0920	24.5	275	190	7.1	6.6	--
SEP.							
11...	1525	24.5	17	170	6.8	6.8	--
OCT.							
16...	0955	17.0	271	220	7.2	7.1	26*
NOV.							
13...	1100	15.0	113	170	7.1	5.1	80
DEC.							
19...	1035	6.0	520 **	70	7.1	11.3	170
JAN., 1973							
30...	1030	5.0	585	90	7.0	10.2	580
FEB.							
20...	1055	5.0	485	24	7.1	12.4	10*
MAR.							
12...	1600	18.5	1460	100	6.8	8.5	1000*
APR.							
10...	0905	12.0	1070	52	6.3	10.5	900
MAY							
15...	1400	21.0	360	120	6.0	6.6	--
JUNE							
19...	0800	25.0	355	120	7.4	7.1	50*
JULY							
25...	1325	26.0	370 **	110	7.4	7.1	77

*Value based on non-ideal colony count.
**Mean daily discharge.

SANTEE RIVER BASIN

02165200 SOUTH RABON CREEK NEAR GRAY COURT, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, at gaging station on left bank, 125 ft (38 m) upstream from U.S. Highway 76, 2.5 mi (4.0 km) upstream from North Rabon Creek and 7.0 mi (11.3 km) southwest of Gray Court.

DRAINAGE AREA.--29.5 mi² (76.4 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
31...	1630	22.5	22	52	7.1	8.8	140
AUG.							
31...	0900	20.0	16	52	7.1	8.7	100
SEP.							
12...	1415	13.5	15	15	7.0	8.7	40
OCT.							
16...	0930	13.5	14	56	7.1	10.0	140
NOV.							
13...	1030	16.0	18	50	7.2	7.1	96
DEC.							
13...	1015	4.0	50	50	7.2	12.3	570
JAN., 1973							
30...	1000	2.5	52	46	7.1	14.2	260
FEB.							
20...	1115	5.0	104	36	7.2	12.4	8*
MAR.							
12...	1630	16.0	109	42	7.0	9.5	>13000
APR.							
19...	0845	11.0	78	42	6.2	10.4	320
MAY							
15...	1400	19.0	32	48	5.9	8.9	1000
JUNE							
19...	0740	20.5	32	48	6.9	8.1	300
JULY							
25...	1340	23.0	35	48	7.1	8.3	240

SANTEE RIVER BASIN

02167000 SALUDA RIVER AT CHAPPELLS, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, at gaging station at downstream side of bridge on State Highway 39, at Chappells, 6.7 mi (10.8 km) downstream from dam at Lake Greenwood, 8.8 mi (14.2 km) upstream from Little River, and at mile 52.3 (84.2 km).

DRAINAGE AREA.--1,350 mi² (3500 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1946 to September 1947, November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
25...	0900	18.0	531	70	7.0	8.2	>660
NOV.							
10...	1040	15.0	138	110	6.9	5.4	90
DEC.							
11...	1005	13.0	182	80	7.2	8.6	--
JAN.							
30...	1500	8.5	3340	54	7.1	10.8	40*
FEB.							
20...	1110	7.0	3400	50	7.0	11.4	170
MAR.							
12...	1200	15.0	4500	52	6.2	9.3	1300
APR.							
24...	1400	18.5	4200	40	7.1	8.8	10*
MAY							
31...	1245	23.0	7830	52	6.9	6.6	>5000
JUNE							
21...	1305	25.0	3940	50	6.6	5.6	>4000
JULY							
24...	1420	27.0	1670	58	6.9	5.8	2700

*Value based on non-ideal colony count.

02167705 LITTLE SALUDA RIVER NEAR SALUDA, S.C.

LOCATION.--Lat 34°02'40", long 81°41'50", Saluda County, at bridge on County Highway 39, 2.9 mi (4.7 km) upstream from Big Creek, 5.1 mi (8.2 km) northeast of Saluda, and at mile 12.2 (19.6 km).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
25...	0830	14.5	400	7.2	3.9	260
NOV.						
10...	0945	12.0	240	7.2	3.2	270
DEC.						
11...	0930	13.5	150	6.8	5.4	--
JAN.						
22...	1300	13.5	93	6.7	9.9	910
FEB.						
20...	1050	5.0	100	6.7	11.3	120
MAR.						
07...	1350	15.0	75	6.5	9.6	1500*
APR.						
24...	1445	19.0	120	6.9	6.7	>1000
MAY						
31...	1500	23.0	86	6.7	6.1	1700*
JUNE						
21...	1350	26.5	65	6.7	7.3	>2000
JULY						
24...	1600	25.5	140	7.1	5.3	1400

SANTEE RIVER BASIN

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, at gaging station, on left bank 0.4 mi (0.6 km) upstream from site of old Saluda mill, 1.6 mi (2.6 km) upstream from confluence with Broad River and 3.3 mi (5.3 km) west of State Capitol in Columbia, and at mile 1.67 (2.69 km).

DRAINAGE AREA.--2,510 mi² (6,500 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1962, July 1969 to June 1971, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
13...	1315	13.5	9500	75	--	8.4	70
AUG.							
22...	1200	20.0	5100	70	6.6	8.9	12
SEP.							
21...	1445	21.5	1600 **	75	6.9	8.3	--
OCT.							
17...	1300	20.0	3460 **	75	6.8	8.3	>400
DEC.							
01...	0930	12.0	5820	72	6.8	10.3	110
07...	0735	13.0	704	70	6.8	10.0	230
JAN., 1973							
17...	1145	9.5	11900	70	7.7	11.8	20
FEB.							
09...	0940	9.0	12900	72	7.3	10.4	230
MAR.							
28...	1100	14.0	5900	70	6.5	9.7	37
APR.							
27...	1215	16.0	12200	65	7.2	9.3	120
MAY							
25...	0905	16.0	610	65	7.0	8.7	160
JUNE							
13...	1320	20.0	1240	62	6.9	8.7	--
JULY							
27...	1515	21.5	6150	70	7.0	7.7	65

*Value based on non-ideal colony count.
**Mean daily discharge.

02169500 CONGAREE RIVER AT COLUMBIA, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, at Columbia, at Blossom Street bridge, 1,000 ft (305 m) downstream from gaging station, and 1.6 mi (2.6 km) downstream from confluence of Broad and Saluda Rivers.

DRAINAGE AREA.--7,850 mi^2 (20,300 km^2), approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: October 1948 to September 1949, October 1958 to September 1960, October 1964 to September 1965, July 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 17...	0730	19.5	3290	75	6.8	8.7	>1000
NOV. 09...	1030	15.0	5600	90	7.4	10.3	80
DEC. 07...	1300	11.0	12900	100	6.8	10.2	2700
JAN. 17...	0950	4.0	15800	70	7.2	12.5	330
FEB. 09...	1340	8.0	24300	65	7.6	10.6	170
MAR. 28...	1350	15.0	18900	62	6.5	11.0	200
APR. 27...	1030	19.0	8750	60	7.4	9.9	>1300
MAY 25...	0815	21.5	7070	64	7.4	8.3	120
JUNE 13...	1300	24.0	10600	55	6.9	8.6	680*
JULY 23...	1120	30.0	4220	75	6.8	6.2	370

SANTEE RIVER BASIN

02169550 CONGAREE CREEK AT CAYCE, S.C.

LOCATION.--Lat 33°56'15", long 81°04'40", Lexington County, at gaging station on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 21 at Cayce, 2.1 mi (3.4 km) upstream from Sixmile Creek, and at mile 5.4 (8.7 km).

DRAINAGE AREA.--136 mi^2 (352 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972 13...	1015	24.0	170	16	6.4	7.5	57
AUG. 22...	1300	25.0	158	14	--	7.7	90
SEP. 21...	0745	23.0	155	14	6.3	7.6	--
OCT. 17...	0801	19.5	152	14	--	9.7	--
NOV. 09...	1000	13.5	267	21	6.7	9.2	>600
DEC. 07...	0925	11.0	288	20	7.0	11.0	17
JAN., 1973 17...	0915	5.0	238	16	6.2	12.4	82
FEB. 09...	1320	9.0	262	20	6.2	9.8	40
MAR. 28...	1330	17.0	273	15	6.4	10.6	28
APR. 27...	0935	20.0	332	16	6.2	7.4	190
MAY 25...	0845	21.5	238	15	6.5	7.6	300*
JUNE 13...	1245	24.0	226	18	5.8	7.2	46
JULY 23...	1100	29.5	207	26	6.4	6.0	66

*Value based on non-ideal colony count.

SANTEE RIVER BASIN

02169570 GILLS CREEK AT COLUMBIA, S.C.

LOCATION.--Lat 33°58'22", long 80°58'28", Richland County, at gaging station, at upstream side of bridge on Devine Street, at Columbia, and 0.75 mi (1.21km) downstream from Lake Katherine.

DRAINAGE AREA.--59.6 mi^2 (154.4 km^2).

PERIOD OF RECORD.--Chemical analyses: December 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.							
17...	1100	10.5	55	100	6.5	7.1	**
NOV.							
08...	1055	16.0	180	45	6.0	9.4	130*
DEC.							
29...	1410	12.0	318	58	6.9	10.4	--
JAN.							
17...	1035	6.0	107	70	7.1	12.2	--
FEB.							
15...	0915	10.5	603	62	6.5	10.2	65*
MAR.							
08...	1315	14.0	468	50	6.5	9.8	240
APR.							
10...	1300	16.5	162	52	6.3	8.9	100
MAY							
07...	1230	24.0	95	90	7.0	7.0	--
JUNE							
18...	1135	20.5	290	55	6.6	7.1	--
JULY							
26...	0830	27.5	180	62	6.9	6.8	100

SANTEE RIVER BASIN

02169630 BIG BEAVER CREEK NEAR ST. MATTHEWS, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, at gaging station on right downstream wingwall of bridge on U. S. Highway 21, 0.1 mi (0.2 km) downstream from Rock Branch, 11.6 mi (18.7 km) northwest of St. Matthews, and at mile 8.2 (13.2 km).

DRAINAGE AREA.--10.0 mi^2 (25.9 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
21...	0945	23.0	10	20	5.6	8.2	110
AUG.							
25...	0740	23.0	26	22	5.3	7.3	380
SEP.							
21...	1000	20.5	9.6	21	5.9	7.9	--
OCT.							
31...	1220	15.5	11	35	7.3	8.8	**
NOV.							
24...	0745	6.0	11	20	6.8	10.8	200
DEC.							
14...	1620	17.0	15	20	5.5	8.6	500
JAN., 1973							
26...	0645	--	12	26	6.6	--	65
FEB.							
23...	1715	12.0	18	22	6.6	9.9	62*
MAR.							
23...	0815	9.0	18	18	6.5	11.3	70
APR.							
16...	1530	21.5	18	18	6.5	8.3	110
MAY							
24...	1235	22.5	11	18	6.3	8.1	170
JUNE							
28...	1525	25.0	11	30	6.0	6.8	91
JULY							
23...	0830	25.0	11	21	5.4	7.0	110

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°23'15", long 80°08'25", Berkeley County, at bridge on State Highway 45, 0.6 mi (1.0 km) downstream from gaging station, and 7.0 mi (11.3 km) southwest of Pineville.

PERIOD OF RECORD.--Chemical analyses: December 1971 to September 1973.
Water Temperatures: February to September 1973.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	DIS-CHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	FECAL COLI-FORM (COL. PER 100 ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
OCT.									
12...	0915	8850	20.5	80	11.0	7.4	**	--	--
NOV.									
15...	1330	15000	16.0	90	10.0	7.3	**	--	--
DEC.									
13...	1610	8480	14.5	95	12.2	7.5	4*	--	--
JAN.									
04...	0935	21700	9.5	70	10.6	7.3	9*	--	--
18...	1400	23400	9.0	74	--	7.4	**	.30*	2*
FEB.									
21...	1215	29400	--	--	--	--		.30*	2*
22...	1240	28700	7.0	56	13.2	7.1	2*	--	--
MAR.									
27...	1830	29500	14.5	70	10.3	7.3	5*	--	--
APR.									
20...	1500	29400	20.0	54	9.0	7.0	3*	--	--
27...	1045	22800	19.5	59	--	7.3	2*	--	<1*
MAY									
30...	1130	17500	24.0	69	7.8	7.4	2*	25*	12*
JUNE									
26...	1130	27300	27.0	63	8.0	7.2	4*	400	4*
27...	1245	28800	28.0	65	8.0	7.6	3*	--	--
JULY									
26...	1025	14700	28.5	65	--	7.3	**	--	--
SEP.									
20...	1130	2400	26.0	75	7.2	7.5	2*	140	1*

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
JAN.												
18...	1400	23400	9.1	--	--	--	--	3.7	1.6	7.6	1.9	17
FEB.												
21...	1215	29400	8.0	--	--	--	--	4.3	1.6	4.6	1.5	16
MAR.												
27...	1830	29500	7.9	740	250	20	10	5.0	1.7	6.1	1.4	19
APR.												
27...	1045	22800	6.8	--	--	--	--	4.0	1.5	4.6	1.6	18
MAY												
30...	1130	17500	6.4	--	--	--	--	4.7	1.7	6.4	1.6	21
JUNE												
26...	1130	27300	7.0	--	110	--	0	3.8	1.5	6.3	1.6	17
SEP.												
20...	1130	24000	11	230	30	80	10	3.9	1.7	7.9	1.9	24

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DATE	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JAN. 18...	0	14	10	7.5	.2	.1	.01	.03	.20	--	.05
FEB. 21...	0	13	7.2	5.5	.2	.2	.03	.04	.47	--	.09
MAR. 27...	0	16	8.0	5.0	.2	.2	.01	.04	.27	--	.30
APR. 27...	0	15	5.6	4.2	.2	.1	.01	.06	.68	--	.02
MAY 30...	0	17	7.2	5.5	.2	.00	.00	.02	.63	--	.02
JUNE 26...	0	14	6.4	9.0	.3	.1	.00	.02	.37	.51	.04
SEP. 20...	0	20	6.7	7.1	.2	--	--	--	--	.08	.05

DATE	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
JAN. 18...	.04	48	50	.07	16	2	48	.8	80	6.9	9.0
FEB. 21...	.09	49	42	.07	17	4	38	.5	56	7.0	--
MAR. 27...	.30	46	45	.06	20	4	38	.6	64	6.8	14.5
APR. 27...	.02	53	37	.07	16	1	35	.5	60	6.8	19.5
MAY 30...	.00	46	44	.06	19	2	40	.6	70	6.8	24.0
JUNE 26...	.01	49	44	.07	16	2	44	.7	70	6.7	27.0
SEP. 20...	--	76	52	.10	17	0	47	.8	53	7.3	26.0

DATE	TIME	ORGANIC CARBON IN BED MA-TERIAL (C) (G/KG)	TOTAL ARSENIC IN BOTTOM DE-POSITS (UG/G)	TOTAL CADMIUM IN BOTTOM DE-POSITS (UG/G)	TOTAL CHRO-MIUM IN BOTTOM DE-POSITS (UG/G)	TOTAL COBALT IN BOTTOM DE-POSITS (UG/G)	TOTAL COPPER IN BOTTOM DE-POSITS (UG/G)	TOTAL IRON IN BOTTOM DE-POSITS (UG/G)
MAR. 27...	1830	200	1	0	3	0	4	1200

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
JAN. 18...	100	30	3.6	--	--	--	--	--	--	--	--
FEB. 21...	160	60	2.6	--	--	--	--	--	--	--	--
MAR. 27...	100	25	4.0	5.5	6	5	0	0	0	0	0
APR. 27...	80	25	4.6	--	--	--	--	--	--	--	--
MAY 30...	20	15	5.3	--	--	--	--	--	--	--	--
JUNE 26...	10	10	5.6	--	--	10	--	0	--	10	--
SEP. 20...	--	6	1.0	--	--	--	<10	0	0	0	0

DATE	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)
JAN. 18...	--	--	--	--	--	--	--	60	--	--	--
FEB. 21...	--	--	--	--	--	--	--	60	--	--	--
MAR. 27...	--	0	6	2	1	.2	.1	60	--	10	--
APR. 27...	--	--	--	--	--	--	--	60	--	--	--
MAY 30...	--	--	--	--	--	--	--	10	--	--	--
JUNE 26...	1	--	[illegible]	--	0	.0	--	80	--	0	5
SEP. 20...	0	<10	6	<50	13	.0	--	--	100	10	4

DATE	TOTAL LEAD IN BOTTOM DE-POSITS (UG/G)	TOTAL MERCURY IN BOTTOM DE-POSITS (UG/G)	TOTAL MANGA-NESE IN BOTTOM DE-POSITS (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. DEP. (MG/KG)	TOTAL KJEL. NITRO-GEN IN BOTTOM DEP. (MG/KG)	TOTAL PHOS-PHORUS IN BOT-TOM DE-POSITS (MG/KG)	TOTAL SELE-NIUM IN BOTTOM DE-POSITS (UG/G)	TOTAL ZINC IN BOTTOM DE-POSITS (UG/G)
MAR. 27...	0	.0	26	.5	560	13	4	5

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE		TIME	DISCHARGE (CFS)	CONCEN-TRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
FEB	14, 1973	1240	210	22	12.5
MAR	7......	0915	204	13	7.2
APR	24......	0830	162	8	3.5
JUNE	21......	0830	229	14	8.6
SEPT	21......	0830	157	11	4.7

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, FEBRUARY TO SEPTEMBER 1973

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	9.0	8.0	8.5	15.5	15.0	15.0	18.5	18.0	18.0
2	---	---	---	9.0	8.5	9.0	15.0	14.5	15.0	19.0	18.0	18.5
3	---	---	---	9.5	9.0	9.5	15.0	14.5	15.0	19.5	18.5	19.0
4	---	---	---	11.0	9.5	10.0	16.0	14.5	15.0	20.0	19.5	19.5
5	---	---	---	11.0	10.5	10.5	15.5	14.5	15.0	20.0	19.0	19.5
6	---	---	---	11.0	10.5	10.5	15.0	14.5	15.0	20.0	19.5	20.0
7	---	---	---	10.5	10.0	10.5	15.0	14.5	15.0	20.0	19.5	20.0
8	---	---	---	11.0	10.5	11.0	15.0	14.5	15.0	20.5	19.5	20.0
9	---	---	---	11.5	11.0	11.0	15.5	15.0	15.0	21.5	20.0	20.5
10	---	---	---	11.5	11.0	11.5	15.5	14.0	14.5	23.0	21.0	22.0
11	---	---	---	13.0	11.5	12.5	13.5	12.5	13.0	23.5	21.5	22.5
12	---	---	---	16.0	13.0	14.5	14.0	13.0	13.5	24.0	23.0	23.5
13	---	---	---	16.0	15.5	15.5	14.5	13.5	14.0	24.0	23.5	23.5
14	---	---	---	16.5	15.0	15.5	15.0	14.0	14.5	23.5	22.5	23.0
15	---	---	---	19.5	16.5	17.0	16.5	15.0	15.5	23.0	22.0	22.5
16	---	---	---	18.0	17.0	17.5	15.5	15.0	15.5	23.5	22.5	23.0
17	---	---	---	17.5	16.0	16.5	15.5	15.0	15.5	22.5	22.5	22.5
18	---	---	---	14.0	12.0	13.0	15.5	15.0	15.5	22.5	21.5	22.0
19	---	---	---	13.5	12.5	13.0	16.0	15.0	15.5	22.0	21.0	21.5
20	6.5	6.0	6.5	14.0	13.5	14.0	16.5	15.5	16.0	22.0	21.5	22.0
21	7.0	6.0	6.5	15.0	14.0	14.5	16.5	15.5	16.0	23.0	22.0	22.5
22	7.0	6.5	6.5	14.5	13.5	14.0	17.0	16.0	16.5	23.5	22.0	22.5
23	7.5	6.5	7.0	14.5	13.5	14.0	18.5	17.0	17.5	24.0	22.5	23.0
24	8.0	7.0	7.5	14.5	14.0	14.5	18.5	17.5	18.0	24.0	23.5	24.0
25	8.0	7.5	7.5	14.5	14.0	14.0	19.0	18.0	18.5	24.5	23.0	24.0
26	8.0	7.5	8.0	15.0	14.0	14.5	19.0	18.5	19.0	24.5	24.0	24.5
27	8.5	8.0	8.0	15.0	14.0	14.5	19.0	18.5	19.0	24.5	24.0	24.5
28	8.5	8.0	8.0	15.0	14.5	14.5	18.5	17.0	17.5	25.0	24.0	24.5
29	---	---	---	14.5	14.0	14.5	18.5	17.0	17.5	25.0	24.5	25.0
30	---	---	---	14.5	14.0	14.5	18.5	17.5	18.0	24.5	24.5	24.5
31	---	---	---	15.0	14.5	14.5	---	---	---	25.5	24.5	25.0
MONTH	---	---	---	19.5	8.0	13.0	19.0	12.5	16.0	25.5	18.0	22.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	25.0	25.0	28.5	27.5	28.0	29.5	29.0	29.0	28.5	28.0	28.0
2	26.0	25.0	25.5	---	---	---	29.5	29.0	29.0	28.0	28.0	28.0
3	26.0	25.0	25.5	---	---	---	29.0	28.5	29.0	28.5	28.0	28.0
4	26.0	25.0	25.5	---	---	---	28.5	28.0	28.0	28.5	28.0	28.5
5	26.0	25.0	25.5	---	---	---	29.0	28.0	28.5	28.5	28.0	28.0
6	26.0	25.0	25.5	---	---	---	29.0	29.0	29.0	28.5	28.0	28.5
7	26.5	25.0	25.5	---	---	---	---	---	---	29.5	28.0	28.5
8	25.5	25.0	25.5	---	---	---	---	---	---	29.5	28.5	29.0
9	25.5	25.0	25.0	---	---	---	---	---	---	29.5	28.5	29.0
10	25.5	25.0	25.0	---	---	---	---	---	---	29.0	28.0	28.5
11	25.5	25.0	25.0	---	---	---	---	---	---	28.0	28.0	28.0
12	25.0	25.0	25.0	28.5	28.5	28.5	---	---	---	28.5	28.0	28.0
13	25.5	24.5	25.0	29.5	28.0	28.5	---	---	---	28.5	27.5	28.0
14	27.0	25.0	26.0	29.0	28.0	28.5	---	---	---	28.0	27.5	27.5
15	26.5	26.0	26.5	29.0	28.5	28.5	---	---	---	28.0	27.5	27.5
16	27.5	26.0	26.5	29.5	29.0	29.0	30.0	29.0	29.5	28.0	27.5	27.5
17	29.0	27.0	27.5	29.5	29.0	29.5	29.5	29.5	29.5	27.5	27.0	27.5
18	28.5	27.5	28.0	29.5	29.0	29.0	29.5	29.0	29.5	28.0	27.0	27.5
19	28.0	27.0	27.5	29.0	28.5	28.5	29.5	28.5	29.0	27.5	27.0	27.0
20	27.0	26.5	26.5	28.5	28.0	28.5	29.5	29.0	29.0	27.5	26.5	27.0
21	27.5	26.5	27.0	29.0	28.0	28.5	29.0	28.5	29.0	27.5	27.0	27.5
22	27.0	27.0	27.0	29.5	28.0	28.5	28.5	27.5	28.0	27.5	27.0	27.0
23	27.5	26.5	27.0	29.5	28.5	29.0	27.5	27.0	27.5	27.5	26.5	27.0
24	28.0	27.0	27.5	29.5	29.0	29.0	27.5	27.0	27.0	27.5	27.0	27.0
25	28.0	27.5	27.5	29.0	28.5	28.5	27.5	27.0	27.0	27.0	26.5	27.0
26	28.0	27.5	27.5	29.0	28.0	28.5	27.5	27.0	27.0	26.5	26.0	26.5
27	28.5	27.0	27.5	29.5	28.5	29.0	28.0	27.0	27.5	26.5	26.0	26.0
28	28.0	27.0	27.5	29.5	29.0	29.0	28.5	27.5	28.0	26.5	26.0	26.0
29	28.5	27.5	28.0	30.0	28.5	29.5	29.0	28.0	28.5	26.5	26.0	26.5
30	28.0	27.5	28.0	30.0	29.5	29.5	28.5	28.0	28.5	27.0	26.0	26.5
31	---	---	---	29.5	29.0	29.0	28.5	28.0	28.0	---	---	---
MONTH	29.0	24.5	26.5	---	---	---	---	---	---	29.5	26.0	27.5
YEAR	30.0	6.0	22.0									

02170500 LAKES MARION-MOULTRIE DIVERSION CANAL NEAR PINEVILLE, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), FEBRUARY TO SEPTEMBER 1973

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	66	65	65	69	65	67	66	65	66
2	---	---	---	66	66	66	65	64	64	67	66	66
3	---	---	---	69	66	67	65	64	64	67	66	66
4	---	---	---	69	67	68	66	64	65	67	66	67
5	---	---	---	69	66	68	69	67	68	67	67	67
6	---	---	---	67	65	67	70	69	70	68	67	68
7	---	---	---	69	67	68	71	70	70	68	68	68
8	---	---	---	69	68	69	70	67	69	68	68	68
9	---	---	---	69	68	68	68	65	66	69	68	68
10	---	---	---	69	69	69	67	59	66	70	69	69
11	---	---	---	70	69	69	60	57	58	71	70	70
12	---	---	---	72	70	71	58	57	57	72	71	71
13	---	---	---	72	71	72	59	57	58	73	72	72
14	---	---	---	72	71	71	67	59	63	73	72	73
15	---	---	---	73	71	72	69	67	68	76	72	74
16	---	---	---	73	73	73	71	69	69	76	76	76
17	---	---	---	74	72	73	69	67	69	77	76	76
18	---	---	---	72	72	72	68	66	67	77	77	77
19	---	---	---	72	72	72	66	64	65	77	76	77
20	58	56	57	72	72	72	64	63	64	78	76	77
21	60	58	59	75	73	73	63	62	63	79	78	79
22	60	59	60	75	75	75	64	62	63	78	78	78
23	61	60	61	75	75	75	64	62	63	79	78	79
24	64	62	62	76	75	75	63	62	62	80	79	80
25	64	63	63	76	74	75	64	63	64	81	79	80
26	64	63	64	76	73	74	65	64	64	82	79	81
27	65	64	64	73	70	71	65	64	65	81	79	80
28	65	65	65	75	72	73	65	64	65	81	80	80
29	---	---	---	75	74	74	65	64	65	82	80	81
30	---	---	---	74	72	73	66	65	65	82	82	82
31	---	---	---	72	70	71	---	---	---	82	82	82
MONTH	---	---	---	76	65	71	71	57	65	82	65	74

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	83	82	82	81	76	80	81	80	81	83	81	82
2	84	82	83	---	---	---	82	80	81	84	81	82
3	84	83	84	---	---	---	82	78	80	85	81	82
4	84	84	84	---	---	---	81	78	79	86	82	83
5	85	84	85	---	---	---	80	79	79	85	83	84
6	86	85	86	---	---	---	80	79	79	85	83	84
7	86	85	85	---	---	---	---	---	---	85	83	84
8	85	75	83	---	---	---	---	---	---	86	83	84
9	82	80	81	---	---	---	---	---	---	85	81	83
10	83	82	82	---	---	---	---	---	---	84	83	84
11	83	81	82	---	---	---	---	---	---	85	82	84
12	81	62	67	79	76	77	---	---	---	86	82	83
13	69	67	67	80	78	79	---	---	---	85	83	83
14	69	66	68	80	78	79	---	---	---	84	82	83
15	74	68	72	80	78	79	---	---	---	85	83	84
16	78	75	77	81	79	80	73	72	72	85	83	84
17	79	77	79	81	77	80	75	73	74	84	83	84
18	82	79	81	80	78	79	75	74	75	85	84	84
19	81	80	80	81	78	80	77	76	76	85	84	85
20	81	79	81	80	78	79	78	76	77	86	84	86
21	82	80	81	81	79	80	80	78	79	88	85	87
22	83	80	81	80	77	79	81	79	80	89	88	88
23	82	80	81	81	77	79	81	79	80	89	88	89
24	81	80	80	80	74	77	81	79	79	91	88	89
25	82	80	81	80	78	79	81	78	79	91	85	89
26	80	79	80	80	77	79	80	79	80	92	87	89
27	81	79	80	81	78	80	84	80	80	91	87	89
28	83	79	80	81	79	80	83	80	81	90	85	88
29	80	78	79	81	77	80	85	80	81	91	88	90
30	81	79	80	81	79	79	82	81	81	92	89	91
31	---	---	---	81	79	80	83	81	82	---	---	---
MONTH	86	62	80	---	---	---	---	---	---	92	81	85
YEAR	92	56	75									

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, at gaging station on right bank 2.4 mi (3.9 km) downstream from Lake Marion Dam, 3.0 mi (4.8 km) upstream from Dead River, 6.7 mi (10.8 km) west of Pineville, and at mile 85.0 (136.8 km).

DRAINAGE AREA.--14,700 mi² (38,100 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, January 1966 to September 1971, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
26...	1130	30.0	541	90	6.9	6.8	11 *
AUG.							
30...	1215	29.0	515	80	7.0	6.9	29
SEP.							
20...	1300	28.0	490	80	7.[illegible]	6.8	--
OCT.							
12...	0945	21.5	530	80	7.2	10.0	**
NOV.							
15...	1315	17.0	553	85	7.3	10.0	**
DEC.							
13...	1530	14.5	503	95	7.5	10.4	19
JAN., 1973							
04...	1125	9.5	475	--	7.4	10.2	12 *
FEB.							
22...	1200	6.5	2420	69	6.9	11.5	1 *
MAR.							
28...	0950	14.5	6660	75	7.0	11.0	8 *
APR.							
20...	1440	19.0	1280	73	6.7	7.6	5 *
MAY							
24...	1030	26.0	630	69	6.9	7.4	7 *
JUNE							
27...	1220	27.0	12700	67	6.9	7.5	21
JULY							
26...	1050	29.5	494	67	7.6	--	48

SANTEE RIVER BASIN

02171600 SANTEE RIVER NEAR ST. STEPHENS, S.C.

LOCATION.--Lat 33°29'40", long 79°57'40", Berkeley County, at bridge on U.S. Highway 52, 0.8 mi (1.3 km) downstream from Campbells Branch, 4.8 mi (7.7 km) upstream from Seaboard Coast Line Railroad bridge, 6.5 mi (10.4 km) northwest of St. Stephens, 11.9 mi (19.1 km) upstream from gaging station, and at mile 63.7 (102.5 km).

PERIOD OF RECORD.--Chemical analyses: July 1969 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.							
12...	0930	22.0	650***	85	7.1	10.2	58
NOV.							
15...	1235	16.5	650***	90	7.1	9.4	**
DEC.							
13...	1505	16.0	800***	100	7.3	9.0	100
JAN.							
04...	1155	10.5	2000***	85	7.0	9.2	390
FEB.							
22...	1130	7.0	20800	70	6.8	11.1	3 *
MAR.							
28...	1025	15.0	10000***	73	7.0	10.9	23
APR.							
20...	1400	21.0	15000***	80	6.7	7.1	48
MAY							
24...	0955	25.0	659	77	6.8	8.2	13 *
JUNE							
27...	1200	27.0	19400	68	7.1	7.1	19 *
JULY							
26...	1120	28.0	736	77	7.1	--	2 *

*Value based on non-ideal colony count.
**Material specifically analyzed for but not detected.
***Mean daily discharge at gaging station.

02171680 WEDBOO CREEK NEAR JAMESTOWN, S.C

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, at gaging station on right downstream wingwall of culvert on S. C. Highway 45, 1.4 mi (2.3 km) southeast of Alvin, 3.3 mi (5.3 km) upstream from mouth and 7.5 mi (12.1 km) northwest of Jamestown.

DRAINAGE AREA.--17.4 mi² (45.1 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
26...	1300	26.0	--	210	--	6.0	650
SEP.							
29...	1155	22.0	--	220	6.9	5.6	100
OCT.							
12...	1030	19.5	--	250	7.2	7.5	630
NOV.							
15...	1635	16.0	--	52	7.1	9.2	--
DEC.							
13...	1630	16.5	--	140	7.1	9.1	80
JAN., 1973							
08...	1220	11.0	--	75	6.7	8.7	170
FEB.							
22...	1310	4.5	35	52	6.5	10.8	24 *
MAR.							
28...	1225	15.5	8.4	85	6.3	9.2	110
APR.							
20...	1315	21.5	4.5	115	6.8	6.6	20
MAY							
24...	0925	20.5	.20	210	7.4	5.0	100
JUNE							
27...	1125	24.5	24	60	6.7	6.2	32
JULY							
26...	0945	22.0	5.0	98	7.2	--	110

*Value based on non-ideal colony count.

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.

LOCATION.--Lat 33°02'26", long 79°56'14", Berkeley County, on right bank 6.2 mi (10.0 km) downstream from Seaboard Coast Line Railroad bridge, 7.4 mi (11.9 km) upstream from Goose Creek, and at mile 28.5 (45.9 km).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1973.
Water temperatures: October 1970 to September 1973.

EXTREMES, 1970-73.--Specific conductance: Maximum, greater than 516 mi micromhos Oct. 9-19, 1971; minimum, 31 micromhos July 21, 1971.
Water temperatures: Maximum, 33.0°C July 18-19, 1971; minimum, 4.5°C Feb. 15, 1971.

REMARKS.--Record of hourly values available in district office, Columbia, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	103	95	99	---	---	---	102	93	96	---	---	---
2	202	102	149	104	95	102	99	94	95	---	---	---
3	226	136	175	105	97	101	100	94	96	---	---	---
4	154	116	127	104	97	102	105	95	97	---	---	---
5	114	97	106	107	96	101	105	94	97	---	---	---
6	103	94	99	105	93	100	112	98	107	---	---	---
7	97	92	95	111	95	101	109	99	105	---	---	---
8	106	94	97	113	96	103	109	99	103	---	---	---
9	113	94	102	101	91	95	116	110	111	---	---	---
10	103	93	98	100	91	96	---	---	---	---	---	---
11	99	92	95	101	92	96	---	---	---	---	---	---
12	96	92	94	99	92	95	---	---	---	---	---	---
13	93	91	93	103	96	97	---	---	---	---	---	---
14	---	---	---	107	96	101	---	---	---	---	---	---
15	---	---	---	106	96	98	---	---	---	---	---	---
16	---	---	---	96	96	96	---	---	---	---	---	---
17	---	---	---	99	97	97	---	---	---	---	---	---
18	---	---	---	101	92	96	---	---	---	---	---	---
19	---	---	---	104	92	98	---	---	---	---	---	---
20	---	---	---	101	93	98	---	---	---	---	---	---
21	---	---	---	97	91	95	---	---	---	---	---	---
22	---	---	---	94	91	93	---	---	---	---	---	---
23	---	---	---	94	92	93	---	---	---	85	82	83
24	---	---	---	95	93	94	---	---	---	85	81	83
25	---	---	---	111	93	102	---	---	---	85	80	82
26	---	---	---	110	93	97	---	---	---	92	80	83
27	---	---	---	100	93	96	---	---	---	95	80	86
28	---	---	---	103	96	97	---	---	---	94	81	88
29	---	---	---	101	96	98	---	---	---	86	78	80
30	---	---	---	105	101	103	---	---	---	82	77	79
31	---	---	---	---	---	---	---	---	---	84	78	81
MONTH	---	---	---	113	91	98	---	---	---	---	---	---

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	79	91	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	82	77	78	---	---	---	---	---	---	---	---	---
7	81	76	78	---	---	---	---	---	---	---	---	---
8	85	77	79	---	---	---	---	---	---	---	---	---
9	85	77	79	---	---	---	---	---	---	---	---	---
10	82	76	79	---	---	---	---	---	---	---	---	---
11	76	74	75	---	---	---	---	---	---	---	---	---
12	75	73	74	---	---	---	---	---	---	---	---	---
13	81	75	78	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	69	66	67	---	---	---	75	69	72
16	---	---	---	69	65	66	---	---	---	83	76	79
17	---	---	---	71	65	69	71	70	70	82	77	80
18	---	---	---	74	71	73	70	68	69	84	79	81
19	---	---	---	73	72	73	70	69	69	87	83	85
20	---	---	---	73	66	70	71	69	69	87	79	84
21	---	---	---	73	66	70	71	69	70	86	79	84
22	---	---	---	73	66	72	73	69	70	87	77	84
23	---	---	---	74	67	71	74	70	71	80	73	77
24	---	---	---	---	---	---	73	70	71	79	72	76
25	---	---	---	---	---	---	74	68	71	76	71	73
26	---	---	---	---	---	---	74	71	72	75	71	73
27	---	---	---	---	---	---	72	69	71	77	71	73
28	---	---	---	---	---	---	---	---	---	76	71	73
29	---	---	---	---	---	---	---	---	---	73	60	68
30	---	---	---	---	---	---	---	---	---	72	66	68
31	---	---	---	---	---	---	---	---	---	73	68	70
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	76	68	70	---	---	---	---	308	---	102	78	91
2	79	69	72	---	---	---	433	366	300	101	79	87
3	76	69	71	---	---	---	400	65	136	97	78	87
4	76	69	71	---	---	---	76	67	69	106	86	95
5	73	70	72	---	---	---	67	65	66	97	71	83
6	77	71	73	---	---	---	69	62	65	86	71	79
7	77	71	74	---	---	---	82	65	71	83	76	77
8	76	70	73	---	---	---	73	62	67	81	68	77
9	74	70	71	---	---	---	79	68	73	86	70	77
10	76	62	67	---	---	---	73	65	69	76	68	72
11	67	60	63	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	62	56	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	---	---	---	---	---	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	---	---	---	---	[illegible]	---	[illegible]	[illegible]	[illegible]	---	---	---
MONTH	---	---	---	---	---	---	477	43	76	[illegible]	[illegible]	[illegible]
YEAR	477	43	81									

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	25.0	25.5	---	---	---	11.5	11.0	11.5	---	---	---
2	25.5	24.5	25.0	19.5	19.0	19.0	12.0	11.0	11.5	---	---	---
3	24.0	23.0	23.5	19.5	19.0	19.5	12.0	11.0	11.5	---	---	---
4	24.0	23.0	23.5	19.5	19.5	19.5	12.0	11.0	11.5	---	---	---
5	24.0	23.5	23.5	19.5	19.0	19.5	12.5	11.5	12.0	---	---	---
6	24.0	23.0	23.5	19.0	18.5	19.0	13.0	11.5	12.0	---	---	---
7	23.5	23.0	23.0	19.5	18.5	18.5	12.5	12.0	12.0	---	---	---
8	23.0	21.5	22.5	19.5	18.5	18.5	12.0	11.5	11.5	---	---	---
9	23.0	21.5	22.5	19.5	18.0	18.5	12.0	11.5	11.5	---	---	---
10	22.5	20.0	21.5	19.5	17.5	18.0	---	---	---	---	---	---
11	20.5	19.5	20.0	19.0	18.0	18.5	---	---	---	---	---	---
12	20.5	20.0	20.0	19.0	18.0	18.0	---	---	---	---	---	---
13	20.0	20.0	20.0	18.5	18.0	18.0	---	---	---	---	---	---
14	---	---	---	18.5	18.5	18.5	---	---	---	---	---	---
15	---	---	---	18.0	17.0	17.5	---	---	---	---	---	---
16	---	---	---	17.0	15.5	16.5	---	---	---	---	---	---
17	---	---	---	16.5	15.0	15.5	---	---	---	---	---	---
18	---	---	---	15.0	14.5	15.0	---	---	---	---	---	---
19	---	---	---	15.5	15.0	15.0	---	---	---	---	---	---
20	---	---	---	15.5	15.0	15.5	---	---	---	---	---	---
21	---	---	---	15.5	14.5	15.0	---	---	---	---	---	---
22	---	---	---	14.5	14.0	14.5	---	---	---	---	---	---
23	---	---	---	14.0	13.0	13.5	---	---	---	9.5	9.5	9.5
24	---	---	---	13.0	12.5	13.0	---	---	---	10.5	9.0	9.5
25	---	---	---	13.5	12.5	13.0	---	---	---	9.5	9.0	9.5
26	---	---	---	13.5	12.5	13.0	---	---	---	9.5	9.0	9.5
27	---	---	---	12.5	12.0	12.5	---	---	---	10.0	9.5	10.0
28	---	---	---	13.0	12.0	12.5	---	---	---	10.0	9.5	9.5
29	---	---	---	13.0	12.0	12.5	---	---	---	9.5	9.0	9.5
30	---	---	---	12.5	11.5	12.0	---	---	---	9.5	9.0	9.0
31	---	---	---	---	---	---	---	---	---	9.5	8.5	9.0
MONTH	---	---	---	19.5	11.5	16.0	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.5	9.0	9.5	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	11.0	10.0	10.5	---	---	---	---	---	---	---	---	---
7	11.0	10.5	11.0	---	---	---	---	---	---	---	---	---
8	11.0	10.5	10.5	---	---	---	---	---	---	---	---	---
9	11.0	9.5	10.0	---	---	---	---	---	---	---	---	---
10	9.0	8.5	9.0	---	---	---	---	---	---	---	---	---
11	7.0	6.5	6.5	---	---	---	---	---	---	---	---	---
12	7.0	6.5	6.5	---	---	---	---	---	---	---	---	---
13	7.5	6.0	6.5	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	16.5	16.5	16.5	---	---	---	21.5	20.0	21.0
16	---	---	---	15.5	14.5	15.0	---	---	---	21.0	20.0	20.5
17	---	---	---	15.0	13.5	14.5	16.0	15.5	16.0	22.5	20.0	20.5
18	---	---	---	14.5	13.5	13.5	16.0	15.5	15.5	21.0	20.0	20.5
19	---	---	---	15.0	13.5	14.5	16.5	15.5	16.0	20.5	20.0	20.0
20	---	---	---	15.5	14.5	15.0	16.0	15.5	16.0	20.0	20.0	20.0
21	---	---	---	15.0	14.5	15.0	16.5	15.5	16.0	21.0	20.0	20.5
22	---	---	---	15.5	14.0	14.5	17.0	16.0	16.5	22.5	20.0	21.0
23	---	---	---	15.0	13.5	14.0	16.5	16.0	16.0	22.5	20.5	21.5
24	---	---	---	---	---	---	16.5	16.0	16.5	22.5	21.0	22.0
25	---	---	---	---	---	---	17.5	16.0	16.5	22.5	21.0	22.0
26	---	---	---	---	---	---	17.5	16.5	17.0	23.5	22.0	22.5
27	---	---	---	---	---	---	18.5	17.0	18.0	24.0	22.5	23.5
28	---	---	---	---	---	---	---	---	---	25.0	23.5	24.0
29	---	---	---	---	---	---	---	---	---	25.0	23.5	24.0
30	---	---	---	---	---	---	---	---	---	24.5	23.5	23.5
31	---	---	---	---	---	---	---	---	---	25.5	23.0	24.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	24.5	25.0	---	---	---	29.5	29.5	29.5	28.5	27.5	28.0
2	26.0	24.0	25.0	---	---	---	29.5	29.0	29.5	28.5	27.5	28.0
3	26.0	24.5	25.0	---	---	---	29.5	29.0	29.0	28.5	27.5	28.0
4	26.0	24.0	25.0	---	---	---	29.5	28.5	29.0	28.5	28.0	28.5
5	25.5	24.0	25.0	---	---	---	29.0	28.0	28.0	28.5	28.0	28.0
6	26.0	24.5	25.5	---	---	---	28.5	28.0	28.0	28.5	28.0	28.0
7	26.5	25.0	25.5	---	---	---	28.5	28.0	28.5	28.5	28.0	28.5
8	26.0	24.5	25.5	---	---	---	28.5	28.0	28.5	29.0	28.0	28.5
9	25.0	24.5	25.0	---	---	---	28.5	28.0	28.5	29.0	28.0	28.5
10	26.0	25.0	25.5	---	---	---	29.0	28.5	28.5	28.0	27.5	28.0
11	25.0	23.5	24.5	---	---	---	29.0	28.5	28.5	28.0	27.5	28.0
12	24.5	24.0	24.5	29.5	28.0	28.5	29.5	28.5	29.0	29.0	28.0	28.0
13	---	---	---	28.5	28.0	28.0	30.0	29.0	29.5	28.5	28.0	28.5
14	---	---	---	28.5	28.0	28.5	30.0	29.0	29.5	28.0	27.5	28.0
15	---	---	---	28.5	28.0	28.5	30.0	29.0	29.5	28.5	27.5	28.0
16	---	---	---	29.0	28.0	28.5	30.0	29.0	29.5	28.0	27.5	28.0
17	---	---	---	29.0	28.5	29.0	30.0	29.0	29.5	28.0	27.0	27.5
18	---	---	---	29.0	28.0	28.5	30.0	29.0	29.5	28.5	26.5	27.5
19	---	---	---	28.5	28.5	28.5	30.0	29.0	29.5	28.5	27.0	27.5
20	---	---	---	28.5	28.0	28.5	29.5	29.0	29.0	28.0	27.0	27.5
21	---	---	---	28.5	28.0	28.0	29.0	28.5	29.0	28.0	27.5	27.5
22	---	---	---	28.5	28.0	28.5	29.0	28.0	28.5	28.0	27.5	28.0
23	---	---	---	29.0	28.5	28.5	28.0	27.0	27.5	28.0	27.5	28.0
24	---	---	---	29.0	28.5	28.5	28.0	27.5	27.5	28.0	27.5	27.5
25	---	---	---	28.5	28.0	28.5	28.0	27.5	27.5	27.5	27.0	27.5
26	---	---	---	28.5	28.0	28.0	27.5	27.0	27.5	27.0	27.0	27.0
27	---	---	---	28.5	28.0	28.5	28.0	27.0	27.5	27.0	26.5	27.0
28	---	---	---	29.0	28.5	29.0	28.5	27.5	28.0	27.5	26.5	27.0
29	---	---	---	29.5	29.0	29.0	28.0	27.5	28.0	27.5	27.0	27.0
30	---	---	---	29.5	29.0	29.5	29.0	28.0	28.5	27.5	26.5	27.5
31	---	---	---	29.5	29.5	29.5	28.5	27.5	28.5	---	---	---
MONTH	---	---	---	---	---	---	30.0	27.0	28.5	29.0	26.5	28.0
YEAR	30.0	5.5	21.5									

02173500 NORTH FORK EDISTO RIVER AT ORANGEBURG, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, at gaging station on left bank under bridge on U. S. Highway 301 at Orangeburg, 0.5 mi (0.8 km) upstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Caw Caw Swamp, and at mile 22.1 (35.6 km).

DRAINAGE AREA.--683 mi² (1,770 km²).

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1948, October 1958 to September 1960, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
24...	1015	26.0	198	23	5.9	7.0	60
AUG.							
25...	0715	24.0	440	21	6.1	7.3	300
SEP.							
26...	0845	23.0	428	22	6.1	6.4	24
OCT.							
19...	1445	19.0	413	20	5.6	8.5	190
NOV.							
24...	0820	6.0	600	24	7.1	10.4	97
DEC.							
14...	1600	18.0	768	22	6.2	9.1	150
JAN., 1973							
26...	0700	10.5	360	24	6.3	10.0	82
FEB.							
23...	1650	11.0	1340	26	6.7	11.8	>800
MAR.							
23...	1330	13.5	1100	27	7.0	9.7	64
APR.							
16...	1500	21.0	1310	--	6.9	8.9	>800
MAY							
24...	1200	22.0	630	21	6.4	7.6	76
JUNE							
28...	1505	26.0	1740	26	6.4	6.1	650
JULY							
23...	0915	25.0	860	34	4.6	6.5	10*

EDISTO RIVER BASIN

02174000 EDISTO RIVER NEAR BRANCHVILLE, S.C.

LOCATION.--Lat 33°10'35", long 80°45'05", Bamberg County, at gaging station on right bank 400 ft (120 m) downstream from bridge on U.S. Highway 21, 4.7 mi (7.6 km) downstream from Brier Branch, 5.2 mi (8.4 km) south of Branchville, and at mile 100.0 (160.9 km).

DRAINAGE AREA.--1,720 mi² (4,450 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1949 to September 1950, October 1961 to September 1962, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
26...	1330	28.0	1270	50	6.4	7.0	72
AUG.							
25...	0830	25.0	1100	48	6.7	7.5	--
SEP.							
26...	1600	26.5	886	56	6.2	6.0	22
OCT.							
19...	1610	21.5	856	48	6.2	8.0	--
NOV.							
30...	1030	15.0	1200	54	6.0	9.2	--
DEC.							
19...	1515	18.0	2350	62	6.6	8.6	67
JAN., 1973							
26...	1030	--	[illegible] --	45	6.5	--	160
FEB.							
23...	1600	10.0	6770	35	6.6	12.5	10 e
MAR.							
23...	0920	13.0	3600	43	6.3	11.2	40 e
APR.							
16...	1550	19.5	[illegible]	52	6.3	8.2	52
MAY							
30...	1105	23.5	[illegible]	30	6.5	5.0	[illegible]
JUNE							
28...	1530	25.0	[illegible]	36	6.0	6.5	[illegible]
JULY							
23...	1005	26.0	[illegible]	35	5.6	--	110

02174250 COW CASTLE CREEK NEAR BOWMAN, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, at gaging station at bridge on county road, 1.1 mi (1.8 km) above Buck Branch and 3.2 mi (5.1 km) northwest of Bowman.

DRAINAGE AREA.--23.4 mi² (60.6 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
26...	1400	25.0	2.9	110	7.3	7.2	420
AUG.							
25...	0750	21.5	2.0	110	7.1	8.1	150
SEP.							
26...	0930	22.0	2.6	115	6.7	7.1	97
OCT.							
10...	0900	19.0	2.1	120	7.4	8.1	410
NOV.							
24...	0845	6.0	3.0	115	7.1	11.0	250
DEC.							
14...	1540	10.5	30	100	6.[illegible]	9.2	130
JAN., 1973							
26...	1155	--	36	75	6.1	--	150
FEB.							
22...	1630	12.0	52	60	6.[illegible]	11.5	70*
MAR.							
22...	0950	10.0	36	33	6.5	10.4	50
APR.							
16...	1430	16.0	31	55	6.[illegible]	7.8	160
MAY							
24...	1135	21.5	2.3	100	7.4	8.7	240
JUNE							
22...	1425	23.0	15	55	6.7	7.1	170
JULY							
27...	0950	26.0	37	47	6.1	7.0	5400

*Valued based on non-ideal colony count.

02175000 EDISTO RIVER NEAR GIVHANS, S.C.

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, at gaging station on left bank at downstream side of bridge on State Highway 61, 2.3 mi (3.7 km) downstream from Four Hole Swamp, 2.8 mi (4.5 km) west of Givhans, and at mile 59.9 (96.4 km).

DRAINAGE AREA.--2,730 mi^2 (7070 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: March 1967 to July 1973 (discontinued).
Water temperatures: March 1967 to September 1972.
Sediment records: March 1967 to September 1972.

EXTREMES, 1967-72.--Specific conductance: Maximum daily, 92 micromhos Oct. 25-27, 1968; minimum daily, 37 micromhos Nov. 10, 17, 1967.
Water temperatures: Maximum daily, 32.0°C Aug. 1, 1968, July 23, 26, 1969; minimum daily, 3.0°C Jan. 13-19, 1968.
Sediment concentrations: Maximum daily, 85 mg/l June 10, 1969; minimum daily, 1 mg/l Nov. 25, 1969.
Sediment loads: Maximum daily, 2,369 tons May 26, 1969; minimum daily, 3.5 tons Nov. 25, 1969.

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
27...	1120	29.0	1520	52	6.7	6.6	20
AUG.							
25...	0910	27.5	1390	40	6.6	7.2	250
SEP.							
26...	1030	26.0	800	54	[illegible]	5.8	36
OCT.							
10...	0950	23.0	750	35	8.1	9.6	--
NOV.							
15...	0930	14.0	1160	54	6.9	9.3	--
DEC.							
11...	1030	17.0	2820	70	6.4	8.5	57
JAN., 1973							
26...	1000	--	4240	65	6.6	--	240
FEB.							
23...	1110	8.5	12100	50	7.3	10.6	1100*
MAR.							
23...	0950	13.0	6300	54	6.3	8.4	53*
APR.							
16...	1000	15.5	9420	51	6.6	7.8	140*
MAY							
31...	1145	26.0	1680	40	6.8	7.1	43*
JUNE							
28...	0830	25.0	7550	52	6.7	5.4	400
JULY							
23...	1145	28.0	2630	44	6.2	--	230

*Value based on non-ideal colony count.

02175500 SALKEHATCHIE RIVER NEAR MILEY, S.C.

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, at gaging station on right bank 90 ft (27 m) downstream from bridge on U. S. Highway 601, 2.4 mi (3.9 km) downstream from Savannah Creek, 3.1 mi (5.0 km) upstream from Hampton and Branchville Railroad bridge, 3.1 mi (5.0 km) northwest of Miley, and at mile 68.0 (109.4 km).

DRAINAGE AREA.--341 mi^2 (883 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
24...	1115	25.5	154	75	6.8	7.9	50
AUG.							
25...	1230	24.0	134	70	7.4	7.8	76
SEP.							
26...	1330	23.5	93	95	7.2	5.6	110
OCT.							
19...	1300	22.0	115	80	7.1	8.3	--
NOV.							
24...	0940	6.0	245	75	7.0	10.2	34
DEC.							
14...	1445	18.5	550	75	6.5	7.5	80
JAN., 1973							
26...	0800	--	508	52	6.4	--	88
FEB.							
23...	1500	10.0	810	44	7.1	10.4	52
MAR.							
23...	1210	13.0	550	54	6.9	9.3	130
APR.							
16...	1300	17.5	660	50	6.7	7.7	54
MAY							
31...	1025	22.0	264	63	6.8	7.1	98
JUNE							
28...	1245	24.0	636	54	7.0	6.0	>400
JULY							
23...	1435	27.0	413	54	6.1	6.6	70

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, at gaging station near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi (2.6 km) downstream from Black Creek, 2.5 mi (4.0 km) southwest of Hampton, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--203 mi^2 (526 mi^2).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEP.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT.							
19...	[illegible]	[illegible]	1.4	[illegible]	[illegible]	[illegible]	--
NOV.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEC.							
14...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JAN., 1973							
[illegible]	[illegible]	--	[illegible]	[illegible]	[illegible]	--	[illegible]
FEB.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAR.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APR.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

02185200 LITTLE RIVER NEAR WALHALLA, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, at gaging station on downstream side of bridge on State Highway 11, 0.5 mi (0.8 km) downstream from Oconee Creek, 3.5 mi (5.6 km) south of Salem and 6.5 mi (10.5 km) northeast of Walhalla.

DRAINAGE AREA.--72.0 mi² (186.5 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
31...	1100	23.0	142	49	6.9	7.2	--
AUG.							
23...	1050	21.5	100	24	6.5	8.6	56
SEP.							
12...	1000	17.0	74	26	7.0	10.0	--
OCT.							
17...	1130	17.5	76	20	6.0	10.5	65
NOV.							
14...	1130	16.5	314	22	6.7	7.9	2900 *
DEC.							
20...	1130	9.0	240	22	7.3	11.2	270
JAN., 1973							
26...	1230	7.5	229	22	7.3	10.6	68
FEB.							
21...	1000	5.0	244	20	7.4	12.9	100
MAR.							
13...	1130	14.0	300	26	5.0	9.3	55 *
MAY							
16...	1130	19.0	249	20	6.2	8.7	140
JUNE							
19...	1155	23.5	264	20	7.3	8.1	27 *
JULY							
25...	1000	22.5	170	26	7.6	8.6	11 *

*Value based on non-ideal colony count.

02186000 TWELVEMILE CREEK NEAR LIBERTY, S.C.

LOCATION.--Lat 34°48'05", long 82°44'55", Pickens County, at bridge on State Highway 137, 0.5 mi (0.8 km), downstream from Shoal Creek, and 4.5 mi (7.2 km) west of Liberty.

DRAINAGE AREA.--106 mi^2 (275 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.						
17...	1100	17.5	52	7.0	10.4	16*
NOV.						
14...	1015	15.5	46	7.0	6.5	>1500
DEC.						
20...	1010	8.0	42	7.0	12.0	360
JAN.						
26...	1100	7.5	40	7.4	12.4	260
FEB.						
21...	0920	4.0	40	7.1	12.0	300
MAR.						
13...	1030	16.5	37	6.5	9.3	340
APR.						
10...	1220	11.0	34	6.6	11.0	220
MAY						
16...	1050	17.5	38	7.0	8.4	420
JUNE						
19...	1245	24.0	37	7.4	8.7	560*
JULY						
25...	0915	23.5	42	7.5	9.1	580

SAVANNAH RIVER BASIN

02186700 EIGHTEENMILE CREEK AT PENDLETON, S.C.

LOCATION.--Lat 34°38'40", long 82°48'00", Anderson County, at bridge on U S. Highway 76, 0.5 mi (0.8 km) west of Pendleton, and 5.5 mi (8.8 km) upstream from Hartwell Reservoir.

DRAINAGE AREA.--53 mi^2 (140 km^2), approximately.

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.						
17...	1020	18.0	125	6.6	6.0	250
NOV.						
14...	0930	15.0	50	6.7	6.7	>6000
DEC.						
20...	0940	9.0	70	6.6	10.2	1600
JAN.						
26...	1015	7.5	70	7.0	9.8	1100
FEB.						
21...	0855	6.0	75	6.7	11.5	750
MAR.						
13...	0945	15.5	70	5.6	9.0	520
APR.						
10...	1200	10.0	60	6.7	11.0	900
MAY						
16...	1000	15.0	60	6.0	8.6	>6000
JUNE						
19...	1115	22.5	76	6.0	8.6	660
JULY						
25...	0830	22.5	50	7.0	8.0	--

*Value based on nonideal colony count.

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, at gaging station on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi^2 (5778 km^2).

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, July 1972 to July 1973 (discontinued).
Water temperatures: October 1962 to September 1972.

EXTREMES, 1962-72.--Water temperatures: Maximum, 28.0°C Aug. 24, 30, 31, 1970; minimum, 3.0°C Jan. 31, 1966.

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER- ATURE (DEG C)	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
JULY, 1972							
10...	1240	21.5	--	--	7.3	8.6	--
31...	1010	22.0	455	42	6.7	9.1	--
AUG.							
31...	1055	17.0	520	34	6.4	7.6	--
SEP.							
13...	1300	19.0	1440	36	6.5	9.0	--
OCT.							
04...	1310	17.5	--	--	6.7	8.0	--
16...	1120	18.5	7640	54	7.0	9.7	33*
NOV.							
13...	1430	17.0	6040	38	7.0	6.6	42
DEC.							
19...	1210	9.0	16300	42	6.9	11.0	150
28...	1100	10.0	--	--	7.5	10.4	--
JAN., 1973							
30...	1310	7.0	7680	35	7.3	12.0	52*
FEB.							
20...	1440	7.0	15500	34	6.8	11.8	38
MAR.							
12...	1415	13.0	15100	32	6.5	9.7	680*
21...	1300	10.0	--	--	6.9	10.1	--
APR.							
10...	1055	9.0	15900	34	6.4	11.1	210
MAY							
15...	1115	14.0	583	34	5.9	9.3	390
JUNE							
13...	0945	14.0	--	--	6.6	7.7	--
19...	1005	16.5	706	31	6.9	9.1	18*
JULY							
25...	1110	23.0	642	32	6.9	9.0	40

*Value based on non-ideal colony count.

SAVANNAH RIVER BASIN

02187940 HEN COOP CREEK NEAR CRAYTONVILLE, S.C.

LOCATION.--Lat 34°22'40", long 82°32'30", Anderson County, at bridge on County Highway 244, 1.9 mi (3.1 km) upstream from confluence with Rocky River, and 6.7 mi (10.8 km) southwest of Craytonville.

PERIOD OF RECORD.--Chemical analyses: November 1971 to July 1973 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.						
16...	1045	15.5	47	7.0	11.1	210
NOV.						
13...	1600	14.0	50	7.9	7.7	200
DEC.						
19...	1300	7.0	50	--	12.2	300
JAN.						
30...	1220	5.0	45	7.0	12.2	860
FEB.						
20...	1400	7.5	75	6.8	11.2	270
MAR.						
12...	1500	10.0	36	6.0	9.3	4000*
APR.						
10...	1120	10.5	40	6.0	10.8	720
MAY						
15...	1215	17.0	50	6.0	9.1	540
JUNE						
19...	1030	22.5	65	6.9	9.6	1700
JULY						
25...	1155	25.0	44	7.0	7.7	1400

SAVANNAH RIVER BASIN

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, at gaging station on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi² (7,449 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPER-ATURE (DEG C)	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
JULY, 1972							
19...	1330	26.0	--	--	7.2	8.4	--
31...	0930	26.0	1260	60	6.9	7.9	80
AUG.							
31...	1130	29.0	1860	60	6.8	8.7	--
SEP.							
13...	1630	23.0	1100	50	7.0	8.4	--
OCT.							
06...	1115	20.0	--	--	6.8	7.5	--
10...	[illegible]	19.5	660	90	7.6	8.8	20*
NOV.							
13...	1315	15.5	560	60	7.1	9.2	50
DEC.							
12...	1245	8.5	--	56	6.8	11.2	170
19...	1745	--	3000	--	--	--	--
28...	[illegible]	8.0	--	--	7.6	10.8	--
JAN., 1973							
30...	1330	8.0	2320	60	7.2	12.8	--
FEB.							
27...	1360	10.5	2560	55	7.2	10.6	290
MAR.							
12...	1315	17.0	10200	60	6.2	8.8	<1000
21...	1630	11.0	--	--	7.1	9.8	--
APR.							
18...	1015	13.0	6660	60	6.6	10.0	95
MAY							
16...	1030	17.0	7600	62	6.5	8.5	<800
JUNE							
13...	1115	22.0	--	--	6.8	7.1	--
18...	0930	19.0	6700	60	6.0	8.4	130
JULY							
26...	1000	26.0	3000	67	6.0	8.6	180

*Estimate based on non-ideal colony count.

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", Edgefield County, at gaging station on left bank at bridge on State Highway 23, 1.4 mi (2.3 km) east of Modoc, and 3.2 mi (5.1 km) downstream from Turkey Creek.

DRAINAGE AREA.--545 mi² (1,412 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
12...	0930	22.0	44	120	7.[illegible]	[illegible]	36
AUG.							
31...	1120	24.5	13	140	7.5	[illegible]	20
SEP.							
13...	1530	25.0	4.5	120	[illegible]	[illegible]	--
OCT.							
25...	1005	15.5	5.1	200	[illegible]	[illegible]	[illegible]
NOV.							
10...	1145	14.5	22	200	[illegible]	[illegible]	[illegible]
DEC.							
11...	1130	12.5	39	130	[illegible]	[illegible]	--
JAN., 1973							
22...	1230	13.0	822	95	7.1	[illegible]	[illegible]
FEB.							
07...	1230	10.0	430	70	[illegible]	[illegible]	[illegible]
MAR.							
07...	1235	15.0	2150	[illegible]	[illegible]	[illegible]	[illegible]
APR.							
24...	1300	12.0	102	[illegible]	[illegible]	[illegible]	[illegible]
MAY							
31...	1130	22.0	510	[illegible]	[illegible]	[illegible]	[illegible]
JUNE							
21...	1150	25.0	2700	[illegible]	[illegible]	[illegible]	[illegible]
JULY							
26...	1415	24.0	673	[illegible]	[illegible]	[illegible]	[illegible]

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at gaging station at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 203.0 (326.6 km).

DRAINAGE AREA.--7,508 mi² (19,446 km²), including that of Butler Creek.

PERIOD OF RECORD.--Chemical analyses: October 1949 to September 1950, July 1972 to July 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO JULY 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
[illegible]	[illegible]	[illegible]	--	--	[illegible]	[illegible]	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG.							
[illegible]	[illegible]	[illegible]	--	--	[illegible]	[illegible]	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEP.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOV.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEC.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--
JAN., 1973							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAR.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APR.							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUNE							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JULY							
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, at gaging station on downstream side of bridge on U.S. Highway 278, 0.4 mi (0.6 km) upstream from Johnson Fork Creek, and 4.6 mi (7.4 km) southeast of New Ellenton.

DRAINAGE AREA.--87.0 mi^2 (225.3 km^2).

PERIOD OF RECORD.--Chemical analyses: July 1966 to September 1973.
Sediment records.--October 1967 to September 1973 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 25...	1215	14.0	132	15	--	10.2	165
NOV. 10...	1410	17.0	136	17	6.4	7.0	96
DEC. 12...	1045	15.0	161	22	6.2	9.6	--
JAN. 22...	0935	14.5	156	19	6.3	9.2	140
FEB. 14...	1220	9.0	210	17	5.9	10.4	94
MAR. 07...	0915	16.0	284	19	5.7	9.6	130
APR. 26...	0930	17.5	162	16	6.0	9.6	96
MAY 31...	0935	19.5	150	15	6.7	7.6	110
JUNE 21...	0930	22.5	220	17	--	7.7	>1000
JULY 26...	1030	23.0	162	14	6.2	7.5	130
SEP. 21...	0930	21.0	157	15	6.0	7.0	76

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
OCT. 24...	.4	.3	1.2	.3	50	.3	1.8	1.0	.0	6.9	.02	14
DEC. 12...	.9	.4	1.5	.3	43	.3	3.2	1.2	.2	6.4	--	16
FEB. 14...	1.0	.4	1.2	.3	37	.3	2.2	.8	.5	5.4	--	10
MAR. 07...	.7	.4	1.2	.3	40	.4	2.5	.8	.2	5.4	--	27
MAY 31..	1.0	.4	1.4	.3	40	.3	3.0	1.6	.2	5.0	--	12
JUNE 21...	1.2	.4	1.2	.2	34	.3	3.0	.8	.2	6.5	--	15
SEP. 21...	.6	.4	1.4	.3	38	1.4	1.9	2.3	.1	7.6	--	16
21...	--	--	--	--	--	--	--	--	--	--	--	--

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Cpntinued

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
OCT. 24...	1215	18.0	138	10	13	5.0	2	0	.09	.00	2	1
DEC. 12...	1045	15.0	141	20	18	6.3	2	0	--	--	4	2
FEB. 14...	1240	9.0	210	20	16	5.5	1	0	--	--	4	3
MAR. 07...	0915	16.0	204	40	50	5.5	2	0	--	--	3	2
MAY 31...	0925	19.5	150	30	16	6.0	2	0	--	--	4	3
JUNE 21...	0930	22.5	229	40	15	5.6	0	0	--	--	5	5
SEP. 21...	--	--	--	20	18	5.9	5	0	--	--	3	0
21...	0930	21.0	157	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED STRONTIUM (SR) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	DISSOLVED LITHIUM (LI) (UG/L)
OCT. 24...	13	5.22	.02	--	--	0	--	--	--	--	--
DEC. 12...	15	6.09	.02	--	--	--	--	--	40	--	--
FEB. 14...	12	5.67	.01	--	--	--	--	--	40	--	--
MAR. 07...	13	14.9	.04	0	10	180	4	20	80	20	0
MAY 31...	14	4.86	.02	--	--	--	--	--	0	--	--
JUNE 21...	14	9.27	.02	0	10	230	3	40	20	0	0
SEP. 21...	18	--	.02	--	--	140	--	20	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--

DATE	TIME	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	DISSOLVED GROSS BETA AS SR90/Y90 (PC/L)	SUSPENDED GROSS BETA AS SR90/Y90 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED URANIUM (U) (UG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)
OCT. 25...	1215	5.5	.8	1.8	<.4	1.6	<.4	.94	.02	18	3

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)
OCT. 24...	1215	.00	.0	.00	.0	.0	0	.00	.0	.00

DATE	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)
OCT. 24...	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	MALA-THION (UG/L)	PARA-THION (UG/L)	DI-AZINON (UG/L)	METHYL PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 24...	.00	.0	.00	.00	.00	.00	.00	.00	.00

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	TIME	DISCHARGE (CFS)	CONCEN-TRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
JAN 30, 1973	1030	222	10	6.0
MAR 8......	1110	257	12	8.3
MAY 7......	1110	57	18	2.8
JUNE 18......	1020	144	9	3.4
SEPT 24......	1115	39	19	2.0

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, on left bank 1.4 mi (0.6 km) downstream from Upper Three Runs Creek, 15.2 mi (24.5 km) upstream from Steel Creek, 6.3 mi (10.0 km) south of Jackson and at mile 156.8 (252.3 km).

PERIOD OF RECORD.--Water temperature: October 1971 to September 1973.

EXTREMES, 1972-73.--Water temperature: Maximum, 26.0°C August 14, 5.0°C Feb. 11.
EXTREMES, 1971-73.--Water temperature: Maximum, 26.0°C August 14, 1973; 5.0°C Feb. 11, 1973

REMARKS.--Record of hourly values available in district office, Columbia, S.C.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	22.0	22.5	19.5	18.5	19.0	13.0	12.5	12.5	12.5	12.0	12.0
2	22.0	21.0	21.5	19.5	19.0	19.5	12.0	11.5	12.0	12.5	12.0	12.0
3	21.0	20.5	21.0	20.0	19.0	19.5	12.5	12.0	12.0	11.5	11.5	11.5
4	22.0	20.5	21.0	20.5	20.0	20.0	13.0	12.0	12.5	11.5	11.0	11.0
5	21.5	21.0	21.5	20.0	19.5	20.0	14.0	13.0	13.5	11.0	10.5	11.0
6	22.0	21.5	22.0	19.5	18.5	19.0	14.5	14.0	14.0	11.5	11.0	11.5
7	22.0	21.5	21.5	18.5	18.0	18.0	14.5	14.0	14.5	11.5	10.5	11.0
8	21.5	21.0	21.5	18.0	17.5	18.0	14.5	13.5	14.0	10.5	8.5	9.5
9	21.5	20.5	21.0	17.5	17.0	17.5	13.5	13.0	13.5	8.5	7.5	8.0
10	21.5	20.5	21.0	17.5	16.5	17.0	14.0	13.5	14.0	7.5	7.0	7.5
11	21.0	20.0	20.5	18.0	17.0	17.5	14.5	14.0	14.5	8.0	7.5	8.0
12	21.0	20.0	20.5	19.0	17.5	18.0	15.0	14.5	14.5	8.5	8.0	8.0
13	20.5	19.0	20.0	18.5	18.0	18.0	15.0	14.5	14.5	8.0	7.5	8.0
14	21.5	18.5	20.5	19.0	18.5	18.5	15.0	14.5	14.5	7.5	7.0	7.5
15	21.5	18.5	21.0	18.5	17.5	18.0	14.5	14.0	14.5	8.0	7.0	7.5
16	21.5	20.5	21.0	17.5	16.0	17.0	14.0	12.0	13.0	9.0	8.0	8.5
17	22.0	21.0	21.5	16.0	15.0	15.5	12.0	9.5	10.5	9.0	9.0	9.0
18	21.5	21.0	21.5	15.0	14.5	14.5	9.5	9.0	9.0	9.5	9.0	9.0
19	21.5	20.5	21.0	15.5	14.5	15.0	10.5	8.5	9.5	10.0	9.5	10.0
20	20.5	19.0	19.5	16.0	15.0	15.5	11.5	10.5	11.0	10.5	10.0	10.0
21	19.0	18.0	18.5	15.5	15.0	15.5	12.0	11.5	12.0	10.5	10.0	10.5
22	18.0	17.0	18.0	15.5	15.0	15.0	12.5	12.0	12.5	11.5	10.5	11.0
23	19.0	18.0	18.5	15.0	14.0	14.5	12.5	12.0	12.0	11.5	11.0	11.0
24	19.5	19.0	19.5	14.0	13.5	14.0	12.5	12.0	12.5	11.0	10.5	11.0
25	19.5	19.0	19.5	13.5	13.0	13.5	12.5	12.5	12.5	10.5	10.0	10.5
26	19.5	19.5	19.5	13.5	12.5	13.0	12.5	11.5	12.0	10.5	10.0	10.5
27	19.5	19.0	19.0	12.5	12.0	12.5	11.5	10.5	11.0	10.0	10.0	10.0
28	19.5	19.0	19.0	13.5	12.0	12.5	10.5	10.5	10.5	10.0	10.0	10.0
29	19.5	19.0	19.0	13.5	13.0	13.0	11.0	10.5	11.0	10.0	9.0	9.5
30	19.5	19.0	19.0	13.0	13.0	13.0	11.5	11.0	11.5	9.0	8.5	8.5
31	19.5	19.0	19.0	---	---	---	12.0	11.5	12.0	8.5	8.0	8.5
MONTH	23.0	17.0	20.5	20.5	12.0	16.5	15.0	8.5	12.5	12.5	7.0	9.5

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	8.5	8.5	10.5	10.0	10.5	15.0	13.5	14.0	17.5	16.5	17.0
2	11.0	9.0	10.0	11.0	10.0	10.5	16.0	15.0	15.5	16.5	16.0	16.5
3	11.5	11.0	11.0	11.5	11.0	11.0	15.5	15.0	15.5	17.0	16.0	16.5
4	11.0	10.5	10.5	12.5	11.5	12.0	15.5	15.0	15.5	17.5	16.0	17.0
5	10.5	10.5	10.5	13.0	12.5	13.0	15.5	14.5	14.5	17.0	16.5	17.0
6	10.5	10.5	10.5	13.5	13.0	13.5	14.5	14.0	14.0	17.0	16.5	17.0
7	11.0	10.5	10.5	13.5	12.5	13.0	14.0	14.0	14.0	18.0	16.5	17.5
8	11.0	10.5	11.0	13.5	12.0	13.0	14.0	14.0	14.0	18.0	17.5	17.5
9	11.0	9.0	10.0	13.5	13.5	13.5	14.5	13.5	14.0	19.0	17.5	18.0
10	8.5	6.5	7.0	13.5	12.5	13.0	14.5	14.0	14.0	19.0	18.0	18.5
11	5.5	5.0	5.5	13.5	12.5	13.0	14.0	13.0	13.5	20.0	18.5	19.5
12	6.0	5.5	5.5	13.5	13.0	13.5	14.0	13.0	13.5	19.5	19.5	19.5
13	6.5	6.0	6.0	15.0	13.0	14.0	14.5	14.0	14.0	19.5	19.0	19.0
14	7.5	7.0	7.0	15.0	14.5	15.0	14.5	14.0	14.0	19.0	18.0	18.5
15	8.5	7.5	8.0	15.0	14.5	14.5	14.5	14.0	14.5	18.0	18.0	18.0
16	8.5	7.5	8.0	14.5	13.5	14.0	14.5	14.5	14.5	18.5	18.0	18.0
17	7.5	7.0	7.5	14.5	12.5	14.0	15.0	14.5	15.0	18.0	17.5	18.0
18	7.5	7.0	7.0	12.5	12.0	12.0	15.0	15.0	15.0	18.0	17.5	17.5
19	7.5	7.0	7.5	13.0	12.0	12.5	15.5	15.0	15.0	17.5	17.0	17.0
20	8.0	7.5	8.0	13.0	12.5	12.5	16.5	15.5	16.0	18.5	17.0	18.0
21	8.5	8.0	8.0	12.5	12.5	12.5	17.0	16.0	16.5	19.0	17.5	18.5
22	9.0	8.0	8.5	12.5	12.0	12.0	17.5	16.5	17.0	20.0	18.5	19.0
23	9.0	8.5	8.5	12.5	11.5	12.0	17.5	17.0	17.0	21.0	19.0	20.0
24	9.5	8.5	9.0	12.5	12.0	12.5	17.0	16.5	17.0	19.5	19.0	19.5
25	10.0	9.0	9.5	12.5	12.5	12.5	16.5	16.0	16.0	19.0	19.0	19.0
26	10.5	10.0	10.0	12.5	12.5	12.5	16.0	15.5	15.5	19.5	19.0	19.0
27	11.0	10.5	10.5	12.5	12.0	12.5	16.0	15.5	15.5	19.0	18.0	19.0
28	11.0	10.5	10.5	13.5	12.5	13.0	15.5	15.0	15.5	19.5	18.5	19.0
29	---	---	---	13.5	13.0	13.5	16.0	15.0	15.5	19.5	18.5	19.0
30	---	---	---	13.0	13.0	13.0	17.0	16.0	16.0	18.0	15.0	16.0
31	---	---	---	13.5	13.0	13.0	---	---	---	18.5	15.5	18.0
MONTH	11.5	5.0	9.0	15.0	10.0	13.0	17.5	13.0	15.0	21.0	15.0	18.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	18.0	18.5	22.0	21.0	21.5	24.5	23.5	24.0	25.0	23.0	24.0
2	18.5	18.0	18.5	22.0	22.0	22.0	24.0	23.0	23.5	25.0	24.0	24.5
3	18.5	18.0	18.5	22.5	22.0	22.5	23.5	22.5	23.0	25.0	24.0	24.5
4	19.0	18.5	19.0	22.5	21.5	22.0	22.5	22.0	22.0	25.0	24.0	24.5
5	19.5	19.0	19.0	23.0	21.5	22.5	22.5	22.0	22.5	25.0	24.0	24.5
6	19.5	19.0	19.0	23.5	21.0	23.0	23.0	22.5	23.0	24.5	23.5	24.0
7	19.5	19.0	19.0	23.0	22.5	23.0	24.0	23.0	23.5	24.5	23.5	24.0
8	19.5	19.0	19.0	23.0	22.5	23.0	24.0	23.0	23.5	25.0	23.5	24.5
	19.5	19.0	19.0	24.0	21.0	23.0	23.0	23.0	23.0	25.5	24.0	25.0
10	19.5	19.0	19.0	24.5	22.5	23.5	23.5	23.0	23.0	25.0	24.0	24.5
11	20.0	19.0	19.5	24.5	24.0	24.5	24.0	23.0	23.5	25.0	24.0	24.5
12	21.5	20.5	21.0	24.0	21.0	23.5	24.5	23.5	24.0	25.0	24.0	24.5
13	20.5	20.0	20.5	23.5	22.5	23.0	25.0	23.5	24.0	25.0	24.0	24.5
14	20.5	20.0	20.5	25.0	23.0	24.0	26.0	21.5	24.5	24.5	23.5	24.0
15	20.5	20.0	20.5	25.0	23.5	24.0	25.5	24.0	25.0	24.5	23.5	24.0
16	21.0	20.5	20.5	25.0	23.5	24.0	25.0	21.0	24.0	24.5	23.5	24.0
17	21.0	20.5	21.0	24.5	23.5	24.0	24.5	23.5	24.0	25.0	23.5	24.0
18	22.0	21.0	21.5	24.5	23.0	23.5	24.5	23.5	24.0	24.5	23.5	24.0
19	21.5	20.5	21.5	24.0	23.0	23.5	24.5	23.0	23.5	24.0	23.0	23.5
20	21.0	20.5	20.5	24.0	23.0	23.5	24.0	21.0	23.5	24.0	23.0	23.5
21	20.5	20.0	20.5	24.0	23.0	23.5	24.5	21.5	23.5	24.0	23.0	23.5
22	21.0	20.5	21.0	24.0	23.0	23.5	24.0	21.0	23.0	24.0	23.0	23.5
23	21.5	20.5	21.0	25.0	23.0	24.0	23.5	22.5	23.0	24.5	23.0	24.0
24	21.5	21.0	21.0	24.5	23.5	24.0	23.0	22.0	22.5	24.5	23.5	24.0
25	22.0	21.5	21.5	25.0	23.5	24.5	23.5	22.5	23.0	24.5	23.5	24.0
26	22.0	20.5	21.5	24.5	23.0	24.0	24.0	22.5	23.0	24.0	23.0	23.5
27	21.5	20.0	20.5	24.5	23.0	24.0	24.5	23.0	23.5	23.5	22.5	23.0
28	21.5	20.5	21.0	24.0	23.0	23.5	25.0	23.5	24.0	23.0	22.5	22.5
29	21.5	20.5	21.0	24.5	22.5	23.5	25.0	24.0	24.5	23.0	22.5	23.0
30	22.0	20.5	21.0	24.5	23.0	24.0	25.0	21.5	24.5	24.0	23.0	23.5
31	---	---	---	25.0	23.5	24.0	24.5	21.0	23.5	---	---	---
MONTH	22.0	18.0	20.0	25.0	21.0	23.5	26.0	21.0	23.5	25.5	22.5	24.0
YEAR	26.0	5.0	17.0									

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETVILLE, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, on left bank 2.8 mi (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs Creek, 3.7 mi (6.0 km) west of Milletville and at mile 138.8 (223.3 km).

PERIOD OF RECORD.--Water temperature: October 1971 to September 1973.

EXTREMES, 1971-73.--Water temperature: Maximum 27.0 °C August 15; minimum, 5.5 °C Feb. 11, 12.
EXTREMES, 1971-73.--Water temperature: Maximum 27.0 °C August 15, 1973 minimum, 5.5 °C Feb. 11, 12, 1973.

REMARKS.--Record of hourly values available in district office, Columbia, S.C.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	22.5	23.0	20.0	19.5	19.5	13.5	13.0	13.0	12.5	12.0	12.5
2	22.5	21.5	22.0	20.5	20.0	20.0	13.0	12.5	13.0	12.5	12.0	12.5
3	21.5	21.0	21.5	20.5	20.0	20.5	13.0	12.5	12.5	12.0	11.5	11.5
4	22.0	21.0	21.5	21.0	20.5	21.0	14.0	13.0	13.0	11.5	11.0	11.0
5	22.5	21.5	22.0	20.5	20.0	20.5	---	---	---	11.0	10.5	11.0
6	22.5	21.5	22.0	20.0	19.0	19.5	---	---	---	11.5	11.0	11.0
7	22.5	22.0	22.0	19.0	18.5	19.0	15.0	15.0	15.0	11.5	11.0	11.0
8	22.0	21.5	22.0	19.0	18.0	18.5	15.0	14.0	14.5	11.0	9.0	10.0
9	22.0	21.0	21.5	18.5	17.5	18.0	14.5	14.0	14.5	9.0	8.0	8.5
10	21.5	21.0	21.0	18.0	17.5	18.0	15.0	14.5	15.0	8.0	7.5	7.5
11	21.5	20.5	21.0	18.5	18.0	18.5	15.5	15.0	15.0	8.0	7.0	7.5
12	21.0	20.0	20.5	19.0	18.0	18.5	15.5	15.5	15.5	8.5	8.0	8.0
13	20.5	20.0	20.5	19.0	18.5	18.5	15.5	15.0	15.5	8.5	7.5	8.0
14	21.0	20.0	20.5	19.5	19.0	19.5	16.0	15.5	16.0	8.0	7.5	7.5
15	22.0	21.0	21.5	19.0	18.0	18.5	15.5	15.0	15.5	8.0	7.5	7.5
16	21.5	21.0	21.5	18.0	16.5	17.5	14.5	12.5	13.5	9.0	8.0	8.5
17	22.0	21.0	21.5	16.5	15.5	16.0	12.5	11.0	11.5	9.5	8.5	9.0
18	22.0	21.5	22.0	16.0	15.0	15.5	10.5	9.5	10.0	9.5	9.0	9.5
19	21.5	21.0	21.5	16.0	15.0	15.5	10.0	9.0	9.5	10.5	9.5	10.0
20	20.5	19.0	20.0	16.0	15.5	16.0	11.5	10.0	10.5	10.5	10.0	10.5
21	19.0	18.0	18.5	16.0	15.5	15.5	12.0	11.5	12.0	11.5	10.5	11.0
22	18.5	17.5	18.0	16.0	15.5	15.5	12.5	12.0	12.5	12.5	11.5	12.0
23	19.0	18.0	18.5	15.5	15.0	15.0	12.5	12.0	12.5	12.0	11.5	12.0
24	19.5	19.0	19.5	16.0	14.0	15.0	12.5	12.0	12.0	12.0	11.5	11.5
25	20.5	19.5	20.0	14.5	14.0	14.0	12.5	12.5	12.5	11.5	10.5	11.0
26	20.0	19.5	20.0	14.0	13.5	14.0	12.5	12.0	12.0	11.0	10.5	11.0
27	19.5	19.5	19.5	13.5	13.0	13.0	12.0	11.0	11.5	11.0	10.5	11.0
28	20.0	19.5	19.5	13.5	12.5	13.0	11.0	10.5	10.5	10.5	10.0	10.0
29	20.0	19.5	20.0	14.0	13.5	14.0	11.0	10.5	10.5	10.0	9.0	9.5
30	20.0	19.5	19.5	13.5	13.0	13.5	11.5	11.0	11.5	9.0	8.5	8.5
31	20.0	19.5	19.5	---	---	---	12.0	11.5	12.0	8.5	8.0	8.5
MONTH	23.5	17.5	20.5	21.0	12.5	17.0	16.0	9.0	13.0	12.5	7.0	10.0

02197370 SAVANNAH RIVER BELOW STEEL CREEK NEAR MILLETVILLE, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	9.5	9.5	11.0	10.5	10.5	14.5	13.5	14.0	17.5	16.5	17.0
2	10.5	9.0	10.0	11.0	10.5	11.0	15.5	14.5	15.0	17.5	16.5	17.0
3	11.0	11.0	11.0	11.5	11.0	11.5	15.5	15.5	15.5	17.0	16.5	17.0
4	11.0	10.5	10.5	12.5	11.5	12.0	15.5	15.0	15.5	17.5	17.0	17.0
5	10.5	10.5	10.5	13.5	12.5	13.0	15.0	14.5	15.0	17.5	17.0	17.5
6	11.0	10.5	10.5	14.0	13.5	13.5	14.5	14.0	14.5	18.0	17.0	17.5
7	11.0	10.5	10.5	14.0	13.0	13.5	14.5	14.0	14.0	18.5	17.5	18.0
8	11.0	10.5	11.0	13.5	12.0	12.5	14.0	14.0	14.0	18.5	18.5	18.5
9	11.0	9.0	10.5	13.5	13.0	13.5	14.5	14.0	14.0	19.0	18.5	18.5
10	9.0	6.0	7.5	13.5	13.0	13.5	14.5	14.0	14.0	20.0	19.0	19.5
11	6.0	5.5	5.5	13.0	13.0	13.0	14.0	13.5	13.5	20.5	19.5	20.0
12	6.0	5.5	6.0	14.5	13.0	14.0	13.5	13.0	13.5	21.0	19.5	20.5
13	6.5	6.0	6.0	14.5	13.5	13.5	14.5	13.5	14.0	20.5	19.5	20.0
14	7.5	6.5	7.0	15.5	14.5	15.0	14.5	14.0	14.5	19.5	19.0	19.5
15	8.5	7.5	8.0	15.0	15.0	15.0	15.0	14.5	14.5	19.5	18.5	19.0
16	8.5	8.0	8.0	15.0	14.5	15.0	15.0	14.5	15.0	19.5	18.0	18.5
17	8.0	7.0	7.5	15.5	14.0	14.5	15.5	15.0	15.0	19.0	18.0	18.5
18	7.5	7.0	7.0	14.0	12.5	12.5	15.5	15.0	15.0	19.0	17.5	18.5
19	7.5	7.0	7.5	13.0	12.0	12.5	16.0	15.0	15.5	18.5	17.5	18.0
20	8.0	7.5	7.5	13.0	12.5	12.5	16.5	15.5	16.0	19.0	17.5	18.5
21	8.5	8.0	8.0	13.0	12.5	12.5	17.0	16.0	16.5	19.5	18.5	19.0
22	9.0	8.0	8.5	12.5	12.0	12.5	17.5	16.5	17.0	20.5	19.5	20.5
23	9.0	8.5	8.5	12.5	12.0	12.0	17.5	17.0	17.5	21.5	20.5	21.0
24	9.5	8.5	9.0	12.5	12.0	12.5	17.5	17.0	17.5	21.5	20.5	21.0
25	10.0	9.0	9.5	12.5	12.5	12.5	17.0	16.0	16.5	20.5	19.0	20.0
26	10.5	10.0	10.5	13.0	12.5	12.5	16.5	16.0	16.0	20.5	18.0	19.5
27	11.5	10.5	11.0	13.0	12.5	12.5	16.0	16.0	16.0	20.5	19.5	20.0
28	11.0	11.0	11.0	13.5	12.5	13.0	16.0	15.5	15.5	21.0	19.5	20.5
29	---	---	---	13.5	13.5	13.5	16.0	15.0	15.5	20.5	19.5	20.0
30	---	---	---	13.5	13.0	13.0	16.5	16.0	16.5	19.5	18.5	19.0
31	---	---	---	13.5	13.0	13.0	---	---	---	19.0	17.5	18.5
MONTH	11.5	5.5	9.0	15.5	10.5	13.0	17.5	13.0	15.0	21.5	16.5	19.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	18.5	18.5	22.0	21.5	21.5	26.0	24.5	25.5	25.5	24.5	25.0
2	19.5	18.5	19.0	23.0	22.0	22.5	25.0	24.0	24.5	26.0	25.0	25.5
3	19.5	18.5	19.0	23.0	22.5	22.5	24.0	23.5	24.0	26.0	25.0	25.5
4	19.5	19.0	19.0	23.5	23.0	23.0	23.0	22.5	23.0	26.0	25.0	25.5
5	20.0	19.0	19.5	24.0	22.5	23.5	23.0	22.0	22.5	26.5	25.5	26.5
6	20.0	19.5	19.5	25.0	23.5	24.0	24.0	22.5	23.0	26.0	25.0	25.5
7	20.0	19.0	19.5	25.0	23.5	24.0	24.0	23.0	23.5	26.0	25.0	25.5
8	19.5	19.0	19.5	24.5	23.0	24.0	24.5	23.5	24.0	26.5	25.0	25.5
9	19.5	19.5	19.5	25.0	23.0	24.0	24.5	23.0	23.5	26.5	25.5	26.0
10	20.0	19.0	19.5	25.5	24.5	25.0	24.5	22.5	23.5	26.0	25.5	25.5
11	20.0	19.5	19.5	25.5	24.5	25.0	25.0	23.0	24.0	26.0	25.0	25.5
12	21.0	20.0	20.5	25.0	24.5	25.0	25.0	23.0	24.0	26.0	25.0	25.5
13	21.0	20.5	21.0	24.5	24.0	24.5	25.5	24.0	25.0	25.5	24.5	25.5
14	21.0	20.5	20.5	25.5	23.5	24.5	26.5	25.5	25.5	25.5	24.5	25.0
15	21.0	20.5	20.5	25.5	25.0	25.0	27.0	26.0	26.0	25.5	24.5	25.0
16	21.0	20.5	21.0	26.5	25.5	25.5	26.0	25.5	25.5	25.0	24.0	24.5
17	21.5	20.5	21.0	25.5	24.5	25.0	25.5	24.0	25.0	25.0	24.5	25.0
18	22.0	21.0	21.5	25.0	24.5	24.5	25.0	23.5	24.5	25.5	24.5	25.0
19	21.5	21.5	21.5	25.5	24.5	25.0	24.5	23.5	24.0	25.0	24.0	24.5
20	21.5	21.0	21.0	25.5	24.5	25.0	25.0	23.5	24.5	25.0	23.5	24.0
21	21.0	20.5	21.0	25.5	24.5	25.0	24.5	23.5	24.5	25.0	23.5	24.0
22	21.0	20.5	21.0	25.0	24.5	25.0	24.5	23.5	24.0	25.0	23.5	24.0
23	21.0	21.0	21.0	26.0	24.5	25.0	24.0	23.0	23.5	25.0	24.0	24.5
24	21.5	21.0	21.0	25.5	25.0	25.0	23.5	23.0	23.0	25.5	24.5	24.5
25	21.5	21.0	21.5	25.5	25.0	25.0	23.5	23.0	23.5	25.0	24.5	24.5
26	22.0	21.5	22.0	25.5	25.0	25.0	24.0	23.0	23.5	24.5	23.0	24.0
27	22.0	20.5	21.0	25.5	24.5	25.0	25.5	23.5	24.5	23.5	23.0	23.5
28	21.5	21.0	21.0	25.0	24.0	24.5	25.5	24.5	25.0	23.5	22.5	23.0
29	21.5	21.0	21.0	25.0	24.0	24.5	26.5	25.0	25.5	23.5	22.5	23.0
30	21.5	21.0	21.0	25.5	24.5	25.0	26.0	25.0	25.5	24.5	23.0	23.5
31	---	---	---	25.5	24.5	25.0	25.5	25.0	25.0	---	---	---
MONTH	22.0	18.5	20.5	26.5	21.5	24.5	27.0	22.0	24.5	26.5	22.5	25.0
YEAR	27.0	5.5	17.5									

02198500 SAVANNAH RIVER NEAR CLYO, GA.

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Ga.-S.C. State line at gaging station, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clyo, and at mile 65.0 (104.6 km).

DRAINAGE AREA.--9,850 mi² (25,510 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1969, July 1972 to August 1973 (discontinued).

CHEMICAL ANALYSES, JULY 1972 TO AUGUST 1973

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
JULY, 1972							
24...	1215	28.0	8990	75	6.9	7.3	20
AUG.							
02...	0930	23.0	--	--	7.1	5.8	--
25...	1100	27.0	7530	76	7.2	7.3	75
29...	1145	22.0	--	--	7.0	5.0	--
SEP.							
26...	1200	26.5	7710	75	6.7	5.7	28
OCT.							
19...	1145	23.5	7120	80	7.2	8.5	--
NOV.							
07...	1430	14.0	--	--	7.0	8.1	--
24...	1030	12.0	7880	90	7.0	9.4	260
DEC.							
14...	1345	18.0	9080	80	7.1	9.1	150
JAN., 1973							
26...	0915	--	15900	100	6.7	--	68
FEB.							
13...	1045	10.0	--	--	6.8	12.0	--
23...	1300	10.0	30600	50	7.4	12.0	40
MAR.							
23...	1120	13.0	23000	56	6.5	9.7	300
APR.							
16...	1145	17.5	43700	50	6.7	8.5	42
MAY							
22...	0900	14.0	--	--	6.6	7.3	--
31...	0930	22.0	12200	65	7.1	7.6	160
JUNE							
28...	1030	25.0	29600	60	7.1	6.4	16
JULY							
23...	1320	28.5	9790	65	6.8	6.8	50
AUG.							
21...	0900	24.0	--	--	7.1	5.7	--

PART 3. GROUND WATER RECORDS

331940N0814435.1. (La-4) U. S. Atomic Energy Commission, Savannah River Plant, Aiken. Drilled unused artesian well in sands of the Tuscaloosa Formation. Diam. 8 in. (20 cm); depth 605 ft (184 m); casing to 605 ft (184 m); screened at 390-400 ft (119-122 m), 455-465 ft (139-142 m), 560-600 ft (180-183 m). Lsd 357 ft (109 m) above msl; MP top of casing at lsd. Highest water level, 144.82 ft (44.14 m) on Feb. 23, 1966; lowest 153.94 ft (46.92 m) on May 29, 1957. Records available: 1955-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153.29	153.41	153.04	152.42	152.65	152.56	151.66	151.42	151.86	151.00	150.88	150.49
2	153.25	153.42	153.17	152.41	152.50	152.54	151.61	151.56	151.78	150.99	150.91	150.36
3	153.36	153.40	152.99	152.56	152.51	152.42	151.55	151.78	151.55	151.11	150.95	150.21
4	153.34	153.37	152.88	152.56	152.53	152.29	151.62	151.73	151.61	151.12	150.99	150.13
5	153.46	153.42	152.88	152.49	152.50	152.17	151.75	151.69	151.79	150.96	150.76	150.19
6	153.25	153.36	152.82	152.44	152.51	152.18	151.84	151.63	151.79	151.02	150.55	150.23
7	153.15	153.35	152.90	152.41	152.66	152.23	151.84	151.59	151.76	151.05	150.51	150.26
8	153.14	153.26	153.01	152.31	152.55	152.19	151.65	151.55	151.75	150.98	150.64	150.33
9	153.22	153.27	152.94	152.52	152.45	152.15	151.52	151.49	151.53	150.98	150.50	150.23
10	153.51	153.27	152.87	152.59	152.33	152.13	151.60	151.56	151.42	151.00	150.58	150.13
11	153.64	153.25	152.86	152.61	152.36	152.14	151.71	151.51	151.35	151.03	150.60	150.19
12	153.54	153.23	152.41	152.76	152.44	152.01	151.76	151.57	151.41	151.09	150.53	150.26
13	153.47	153.14	152.84	152.71	152.50	152.15	151.85	151.53	151.41	151.25	150.66	150.36
14	153.37	153.04	152.70	152.56	152.41	152.17	151.97	151.51	151.44	151.25	150.69	150.32
15	153.27	153.18	152.60	152.41	152.32	152.17	151.83	151.55	151.50	151.02	150.50	150.28
16	153.23	153.29	152.86	152.55	152.41	152.10	151.84	151.60	151.40	150.92	150.55	150.18
17	153.22	153.27	153.01	152.65	152.52	151.96	151.72	151.88	151.16	151.08	150.61	150.16
18	153.33	153.33	153.06	152.61	152.44	151.91	151.77	151.93	151.03	151.20	150.57	150.21
19	153.45	153.17	153.05	152.45	152.34	151.92	151.78	151.88	151.22	151.21	150.60	150.27
20	153.57	152.98	152.92	152.57	152.46	151.99	151.88	151.71	151.29	151.14	150.40	150.29
21	153.53	153.05	152.5	152.43	152.47	151.96	151.88	151.66	151.25	151.02	150.29	150.31
22	153.45	153.07	152.87	152.30	152.35	152.10	151.75	151.76	151.19	150.90	150.33	150.31
23	153.31	153.12	152.56	152.39	152.29	152.22	151.50	151.81	151.10	150.92	150.45	150.14
24	153.25	153.09	152.61	152.53	152.40	152.20	151.50	151.81	150.96	151.06	150.49	150.03
25	153.26	152.96	152.56	152.66	152.43	151.91	151.55	151.86	150.87	151.11	150.45	150.10
26	153.29	152.67	152.61	152.66	152.33	151.84	151.52	151.82	150.92	151.09	150.35	150.20
27	153.46	152.86	152.67	152.49	152.40	151.77	151.47	151.59	150.96	151.06	150.31	150.21
28	153.27	152.98	152.63	152.19	152.46	152.01	151.62	151.52	151.00	151.01	150.38	150.15
29	153.22	153.08	152.72	152.07	------	152.03	151.70	151.56	151.01	150.95	150.41	150.06
30	153.25	153.06	152.67	152.37	------	151.99	151.73	151.49	151.07	150.79	150.49	149.88
31	153.36	------	152.50	152.59	------	151.86	------	151.79	------	150.47	150.52	------
MEAN	153.36	153.17	152.70	152.49	152.45	152.10	151.64	151.69	151.35	151.03	150.53	150.21

WTR YR 1973 MEAN 151.90

331705N0813815.1. (S-138) U.S. Atomic Energy Commission, Savannah River Plant. Drilled unused artesian well in sand of Eocene age. Diam. 3 in. (8 cm); depth 90 ft (27 m); casing depth not applicable. Lsd about 293 ft (89 m) above msl; MP top of casing 0.88 ft (0.27 m) above lsd. Highest water level, 32.30 ft (9.85 m) on Apr. 28, 1960; lowest, 54.68 ft (16.67 m) on Feb. 12, 1955. Records available: 1954-66, 1972-73.

DAILY NOON (1200) WATER LEVEL BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.97					45.50	43.55	41.73	41.65	40.65	40.31	
2	44.85				47.02	45.66		41.71	41.66	40.70	40.29	
3	44.85				46.44	45.27		41.60	41.65	40.72	40.33	
4	44.87				46.34	45.17		41.49	41.65		40.41	
5	44.91				46.42	45.12		41.51	41.68		40.40	
6	44.99				46.40	45.14	43.11	41.53	41.64		40.45	
7	45.02				46.44	45.10	42.80	41.56	41.64		40.42	
8	44.91				46.72	44.93	42.60	41.52	41.66		40.42	
9	44.86				46.54	44.87	42.69	41.44	41.65		40.35	
10	44.84				46.49	44.75	42.44	41.42	41.55		40.26	
11	44.85				46.60	44.63	42.48	41.41	41.60		40.21	
12	44.97				46.54	44.67	42.34	41.40	41.54		40.25	
13	44.86				46.52	44.36	42.26	41.46	41.47		40.26	
14					46.26	44.22	42.31	41.50	41.41		40.20	40.46
15					45.95	44.15	42.30	41.48	41.34		40.15	40.66
16					45.98	44.06	42.24	41.46	41.33		40.16	40.53
17					46.00	43.76	42.10	41.42	41.26		40.20	40.59
18					46.03	43.62	41.94	41.42	41.12			40.61
19					45.95	43.93	41.92	41.43	41.02			40.61
20					45.83	43.90	41.89	41.39	41.00	40.17		40.65
21					45.72	43.72	41.92	41.40	41.02	40.42		40.71
22					45.55	43.64	41.83	41.42	41.02	40.29		40.81
23					45.45	43.53	41.76	41.41	40.97	40.32		40.81
24					45.47	43.50	41.54	41.39	40.91	40.34		40.78
25					45.61	43.71	41.56	41.44	40.85	40.34		40.77
26					45.56	43.67	41.49	41.49	40.80	40.33		40.86
27					45.60	43.67	41.35	41.44	40.78	40.28		40.93
28					45.43	43.71	41.52	41.49	40.76	40.24		40.93
29					------	43.70	41.71	41.49	40.70	40.29		40.89
30					------	43.60	41.73	41.53	40.62	40.29		40.86
31		------			------	43.59	------	41.63	------	40.32		------
MEAN						44.32		41.49	41.27			

331320N0814405.1. (S-411) U.S. Atomic Energy Commission, Savannah River Plant, Aiken. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 2 in. (5 cm); depth 270 ft (82 m); casing to 265 ft (81 m). Lsd about 157.53 ft (48.02 m) above msl; MP top of casing 17.82 ft (5.43 m) above lsd. Highest water level, 15.60 ft (4.75 m) on Apr. 17, 1964, lowest, 10.10 ft (3.08 m) on Sept. 10, 1956. Records available: 1953-73.

DAILY NOON (1200) WATER LEVEL MEASUREMENTS ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.83	11.74	12.0[illegible]	12.55	12.90	12.78	13.67	13.43	13.35	13.57	12.98	12.92
2	11.75	11.82	12.0[illegible]	12.62	13.12	12.83	13.69	13.41	13.51	13.50		12.92
3	11.73	11.86	12.0[illegible]	12.75	13.16	12.87	13.66	13.47	13.60	13.45		12.94
4	11.75	11.80	12.0[illegible]	12.65	13.07	12.80	13.68	13.48	13.62	13.41		12.95
5	11.79	11.80	12.03	12.68	13.0[illegible]	12.86	13.79	13.45	13.61	13.40		12.95
6	11.55	11.88	12.2[illegible]	12.80	13.0[illegible]	12.96	13.74	13.39	13.59	13.32		12.95
7	11.41	11.84	12.11	12.80	13.06	13.00	13.95	13.36	13.60	13.23		12.94
8	11.55	11.93	12.1[illegible]	12.78	13.12	13.02	14.08	13.33	13.60	13.19		12.90
9	11.74	11.87	12.1[illegible]	12.76	13.1[illegible]	13.15	14.06	13.40	13.70	13.20		12.87
10	11.49	11.93	12.1[illegible]	12.76	13.26	13.19	14.07	13.38	13.74	13.22		12.90
11	11.62	11.90	12.1[illegible]	12.82	13.26	13.17	14.01	13.35	13.78	13.24		12.90
12	11.55	11.84	12.1[illegible]	12.81	13.16	13.19	14.02	13.35	13.78	13.28		12.96
13	11.74	11.84	12.1[illegible]	12.74	13.15	13.18	13.96	13.29	13.76	13.20		12.84
14		11.94	12.21	12.77	13.20	13.26	13.85	13.26	13.82	13.18		12.96
15		11.90	12.3[illegible]	12.82	13.26	13.36	13.82	13.26	13.85	13.18		12.90
16		11.98	12.2[illegible]	12.56	13.21	13.30	13.81	13.21	14.00	13.14		12.86
17		11.91	12.1[illegible]	12.82	13.16	13.33	13.86	13.25	14.07	13.10	13.06	12.80
18		11.86	12.1[illegible]	12.66	13.16	13.31	13.85	13.18	14.08	13.06	13.09	12.80
19		11.96	12.2[illegible]	12.80	13.16	13.31	13.85	13.18	13.98	13.01	13.08	12.78
20		11.94	12.4[illegible]	12.73	13.16	13.36	13.83	13.21	13.92	13.02	13.10	12.75
21		11.90	12.5[illegible]	12.56	13.16	13.37	13.77	13.17	13.93	12.99	13.13	12.73
22		11.92	12.6[illegible]	12.58	13.18	13.39	13.75	13.16	13.93	13.00	13.11	12.71
23		11.97	12.6[illegible]	12.58	13.18	13.41	13.74	13.17	13.93	12.94	13.05	12.74
24		11.87	12.6[illegible]	12.55	13.07	13.43	13.67	13.20	13.90	12.90	13.02	12.80
25		12.10	12.7[illegible]	12.49	13.00	13.48	13.64	13.15	13.95	12.92	13.01	12.82
26		12.14	12.8[illegible]	12.52	12.9[illegible]	13.48	13.65	13.12	13.83	12.92	12.98	12.80
27		12.03	12.81	12.58	12.96	13.50	13.76	13.21	13.75	12.93	12.98	12.80
28		12.03	12.81	12.76	12.92	13.52	13.66	13.18	13.76	12.94	12.99	12.86
29		11.99	12.7[illegible]	12.76	------	13.53	13.55	13.15	13.76	12.94	12.98	12.89
30	11.76	12.11	12.81	12.66	------	13.65	13.62	13.15	13.66	12.95	12.96	12.90
31	11.76	------	12.87	12.60	------	13.66	------	13.23	------	12.94	12.95	------
MEAN		11.91	12.3[illegible]	12.73	13.11	13.25	13.80	13.27	13.76	13.14		12.86

332555N0815315.1. (Ak-183) Lyles and Lang Construction Company near Beech Island. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 10 in. (25.4 cm); depth 320 ft (98 m); casing to 320 ft (98 m); screened at 290-320 ft (88-98 m). Lsd about 254 ft (77 m) above msl; MP top of casing 0.85 ft (0.26 m) above lsd. Highest water level, 89.92 ft (27.41 m) on Mar. 15, 1966; lowest, 99.43 ft (30.31 m) on Mar. 4, 1958. Records available: 1952-66, 1972-73.

DAILY NOON (1200) WATER LEVEL BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.09					93.80	93.04	93.26	93.12	93.35		93.43
2	94.04				93.44	93.84	93.06	93.32	93.11	93.35		93.37
3	93.91				93.36	93.70	92.85	93.20	93.16	93.41		93.44
4	93.90				93.50	93.74	92.64	93.03	93.19	93.23		93.33
5	93.92				93.73	93.75	92.74	93.06	93.41	93.17		93.35
6	94.01				93.69	93.76	92.80	93.12	93.27	93.15		93.41
7	94.11				93.86	93.62	92.70	93.31	93.29	93.17		93.31
8	94.05				93.61	93.55	92.40	93.16	93.27	93.23		93.33
9	93.96				93.56	93.61	92.36	93.08	93.27	93.15		93.49
10	93.74				93.41	93.52	92.35	93.02	93.27	93.15		93.15
11	93.63				93.40	93.50	92.44	93.06	93.26	93.11		93.13
12	93.84				93.66	93.52	92.42	93.16	93.26	93.14		93.19
13	93.89				93.86	93.46	92.50	93.26	93.29	93.17		93.23
14					93.71	93.36	92.64	93.14	93.26	93.24		93.11
15					93.56	93.30	92.42	93.18	93.27	93.20		
16					93.54	93.24	92.80	93.28	93.24	93.21		93.37
17					93.68	93.16	92.77	93.32	93.26	93.21		93.83
18					93.72	93.18	92.72	93.25	93.25	93.30	93.08	93.65
19					93.70	93.18	92.76	93.26	93.25	93.31	93.20	93.57
20					93.69	93.13	92.84	93.19	93.26	93.29	93.09	93.54
21					93.62	93.08	93.13	93.14	93.24		93.09	93.60
22					93.50	92.90	93.20	93.22	93.25		93.13	93.66
23					93.42	93.10	93.08	93.20	93.24		93.18	93.60
24					93.56	93.19	92.94	93.23			93.19	93.60
25					93.75	93.10	92.86	93.27			93.23	93.61
26					93.74	92.96	92.74	93.38			93.25	93.67
27					93.61	93.11	92.58	93.47			93.25	93.70
28					93.73	93.28	92.69	93.32			93.32	93.65
29					------	93.29	92.98	93.32	93.25		93.37	93.51
30					------	93.31	93.06	93.30	93.29		93.37	93.36
31		------			------	93.16	------	93.19	------		93.39	------
MEAN						93.37	92.77	93.22				

321551N0804910.3. (Bft-429) Victoria Bluff near Hilton Head Island. Drilled observation well in Ocala Limestone. Diam. 6 in. (15 cm); depth 300 ft (91 m); casing to 100 ft (30 m); open hole below casing. Lsd 23 ft (7 m) above msl ; MP 1.46 ft (0.45 m) above lsd. Highest water level, 23.14 ft (7.05 m) on Sept. 10, 1971; lowest, 25.44 ft (7.75 m) on June 7, 1973. Records available: 1970-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.07	25.43	25.10	24.73	24.50	24.26	23.73	24.51	24.92	24.63	24.90	24.79
2	24.94	25.41	25.1	24.73	24.43	24.18	23.80	24.48	25.17	24.66	24.97	24.81
3	24.93	25.44	25.16	24.62	24.54	24.14	23.81	24.38	25.24	24.65	25.10	24.80
4	24.80	25.37	25.13	24.58	24.75	24.13	23.85	24.36	25.34	24.66	25.15	24.81
5	24.73	25.41	25.1	24.54	24.70	24.15	24.02	24.35	25.36	24.68	25.18	24.83
6	24.73	25.38	25.13	24.61	24.70	24.14	24.07	24.39	25.41	24.78	25.12	24.86
7	24.75	25.18	25.22	24.57	24.58	24.09	23.82	24.41	25.44	24.84	25.05	24.82
8	24.80	25.23	25.11	24.41	24.49	24.04	23.87	24.37	25.25	24.86	24.97	24.86
9	24.93	25.34	25.1	24.53	24.35	23.98	23.95	24.33	25.14	24.86	24.85	24.86
10	25.03	25.31	25.1	24.49	24.09	23.94	24.08	24.37	25.06	24.86	24.84	24.90
11	25.06	25.30	25.1	24.35	24.14	24.00	24.25	24.39	24.97	24.83	25.18	24.90
12	25.09	25.37	25.1	24.38	24.05	24.04	24.17	24.42	24.92	24.89	25.05	24.91
13	25.07	25.28	25.00	24.44	24.02	24.06	24.24	24.51	24.95	24.85	25.03	24.85
14	25.12	25.19	25.07	24.48	23.97	23.97	24.20	24.53	24.95	24.85	25.03	24.77
15	25.19	25.40	24.8	24.56	23.91	23.96	24.1	24.54	24.85	24.90	24.98	24.79
16	25.14	25.27	25.2	24.55	24.16	23.97	24.14	24.53	24.77	24.94	24.94	24.74
17	25.20	25.22	25.3	24.50	24.27	23.94	24.11	24.47	24.76	25.03	25.00	24.75
18	25.31	25.22	25.21	24.49	24.20	24.25	24.08	24.57	24.78	25.00	25.01	24.68
19	25.29	25.04	25.00	24.35	24.19	24.20	24.11	24.56	24.78	24.90	25.00	24.63
20	25.36	25.04	24.91	24.43	24.03	24.10	24.14	24.59	24.77	24.87	24.97	24.58
21	25.19	25.13	24.71	24.36	24.05	24.07	24.25	24.59	24.79	24.93	24.96	24.56
22	25.04	25.06	24.6	24.25	24.09	24.27	24.25	24.59	24.78	25.03	24.89	24.62
23	25.00	25.16	24.81	24.45	24.16	24.26	24.25	24.64	24.73	25.12	24.83	24.63
24	25.03	25.17	24.7	24.55	24.27	24.16	24.30	24.73	24.66	25.09	24.78	24.58
25	25.12	24.90	24.7	24.54	24.31	23.88	24.30	24.91	24.57	24.96	24.75	24.52
26	25.13	24.97	24.6	24.58	24.23	23.96	24.27	24.95	24.68	24.90	24.72	24.41
27	25.06	25.23	24.77	24.54	24.23	24.09	24.26	24.83	24.66	24.91	24.75	24.32
28	25.09	25.32	24.7	24.48	24.29	24.09	24.53	24.88	24.68	24.93	24.75	24.39
29	25.25	25.25	24.77	24.49	------	23.97	24.52	25.04	24.51	24.96	24.75	24.42
30	25.32	24.92	24.6	24.81	------	23.90	24.50	25.05	24.59	24.92	24.77	24.42
31	25.32	------	24.6	24.76	------	23.92	------		------	24.91	24.79	------
MEAN	25.07	25.22	24.9	24.56	24.29	24.06	24.13		24.90	24.88	24.94	24.69

321125N0804230.0. (Bft-444) Palmetto Dunes at Hilton Head Island. Drilled unused artesian well in the Ocala Limestone. Diam. 6 in. (15 cm); depth 212 ft (64 m); casing to 146 ft (45 m); open hole to 212 ft (64 m). Lsd about 8 ft (2 m) above msl; MP top of casing about 0.9 ft (0.3 m) above lsd. Highest water level, 18.77 ft (5.72 m) on Apr. 1, 1973; lowest, 22.29 ft (6.79 m) on July 30, 1973. Records available: 1973.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, MARCH 1973 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						19.21	18.77	20.54	20.74	21.01	21.75	20.68
2						19.21	18.99	20.35	20.97	21.17	21.16	20.72
3						19.08	18.84	20.27	20.74	21.46	21.64	20.63
4						19.08	18.80	20.36	20.91	21.53	21.74	20.51
5						19.12	19.27	20.37	21.34	21.17	21.41	20.81
6						19.17	19.26	20.73	21.60	21.34	20.98	21.02
7						19.13	18.92	20.50	21.68	21.51	21.01	21.15
8						19.09	19.02	20.49	21.38	21.54	21.18	20.62
9						19.02	19.08	20.64	20.67	21.47	21.14	20.57
10						18.95	19.41	21.00	20.45	21.15	21.25	20.74
11						19.04	19.56	21.16	20.26	21.31	20.97	20.41
12						19.10	19.57	21.13	20.22	21.26	21.06	20.90
13						19.08	19.55	21.18	20.32	21.38	21.34	20.92
14						18.92	19.77	20.46	20.52	20.98	21.12	21.00
15						18.93	19.67	20.34	21.00	21.04	21.54	20.56
16						18.94	19.54	20.31	20.44	21.55	21.40	20.29
17						19.19	19.83	20.55	20.19	21.43	21.56	20.38
18						19.50	19.92	20.84	20.25	21.52	21.40	20.36
19						19.35	20.03	21.14	20.26	21.54	21.21	20.36
20						19.34	20.14	21.26	20.78	21.59	21.28	20.30
21						19.30	20.19	21.22	20.62	21.94	20.76	20.33
22						19.80	20.22	21.37	20.54	21.96	20.74	20.70
23						19.75	20.29	21.50	20.21	22.21	20.55	20.69
24						19.72	20.44	21.66	20.12	21.95	20.42	20.59
25						19.34	20.49	21.52	20.16	21.51	20.42	20.27
26						18.99	20.23	21.59	20.21	21.26	20.61	20.15
27						19.24	19.94	20.98	20.14	21.42	20.74	20.07
28						19.51	20.30	20.63	20.61	21.90	20.54	19.74
29					------	19.06	20.37	21.15	20.71	22.03	21.13	19.98
30					------	18.91	20.66	20.60	20.74	22.29	20.42	19.91
31		------			------	18.82	------	20.53	------	21.59	20.58	------
MEAN						19.19	19.71	20.90	20.63	21.56	21.09	20.51

332450N0795530.1. (Brk-6) Turner Lumber Co., St. Stephens. Drilled artesian well in sand of Late Cretaceous age. Diam. 6 in. (15 cm); depth 560 ft (171 m); 6 in. (15 cm) casing to 146 ft (45 m), 4 in. (10 cm) casing to 560 ft (171 m); screened or slotted at 356-390 ft (109-119 m). Lsd about 75 ft (23 m) above msl; MP top of casing 1.6 ft (0.5 m) above lsd. Highest water level, 18.96 ft (5.78 m) on Apr. 8, 1973; lowest, 20.68 ft (6.28 m) on Sept. 28, 29, 1973. Records available: 1973.

DAILY NOON (1200) WATER LEVELS BELOW MEASURING POINT, FEBRUARY 1973 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						19.33	19.14	19.31	19.68		19.72	20.21
2						19.32	19.12	19.34	19.67		19.83	20.21
3						19.24	19.13	19.35	19.66	19.34	19.84	20.14
4						19.20	19.04	19.31	19.63	19.30	19.88	20.13
5						19.15	19.12	19.30	19.62	19.25		20.15
6						19.17	19.19	19.27	19.71	19.21		20.21
7						19.22	19.14	19.26	19.83	19.23		20.23
8						19.26	18.96	19.29	19.86	19.24		20.25
9						19.26	19.00	19.29	19.78	19.22		20.21
10						19.26	19.04	19.36	19.63	19.21	19.94	20.18
11						19.21	19.13	19.38	19.40	19.20	19.95	20.22
12						19.16	19.17	19.34		19.25	19.92	20.26
13						19.21	19.18	19.34		19.27	19.91	20.35
14						19.22	19.20	19.34		19.26	19.90	20.31
15						19.24	19.19	19.34	19.40	19.24	19.95	20.38
16						19.24	19.19	19.36	19.40	19.28	20.07	20.44
17						19.17	19.23	19.37	19.36	19.38	20.10	20.48
18						19.18	19.27	19.47	19.31	19.46	20.04	20.53
19						19.25	19.30	19.47	19.35	19.55	19.99	20.53
20						19.27	19.32	19.41	19.39	19.61	19.91	20.57
21						19.26	19.33	19.40	19.44	19.61	19.91	20.60
22					19.18	19.36		19.40	19.46	19.59	19.97	20.62
23					19.17	19.38		19.40		19.57	20.04	20.54
24					19.22	19.38		19.43		19.62	20.06	20.50
25					19.21	19.24		19.46		19.66	20.04	20.55
26					19.16	19.12		19.48		19.68	20.00	20.61
27					19.16	19.18		19.46		19.74	19.99	20.66
28					19.27	19.30		19.46		19.78	19.96	20.68
29					------	19.30		19.47		19.75	20.01	20.68
30					------	19.33		19.55		19.74	20.09	20.64
31		------			------	19.28	------	19.62	------	19.72	20.18	------
MEAN						19.25		19.39				20.40

331708N0794138.0 (Revised). (Brk-53) Jamestown City water. Drilled unused well in Santee Limestone. Diam. 6 in. (15 cm); depth 32 ft (10 m); casing to 28 ft (9 m). Lsd about 32 ft (10 m) above msl; MP top of casing 0.3 ft (0.1 m) above lsd. Open hole in limestone. Highest water level, 4.26 ft (1.30 m) on Feb. 16, 1973; lowest, 14.68 ft (4.47 m) on Nov. 28, 29, 1972. Records available: 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.77		13.90		8.19	5.83	6.67	8.95	11.95	9.53	8.81	8.28
2	12.89		13.77		7.19	5.85	5.84	9.04	12.00	9.73	8.88	8.43
3	12.92		13.66		6.37	5.75	5.65	9.00	12.09	9.82	8.68	8.56
4	12.96		13.57		6.31	5.70	5.33	9.08	12.16	9.86	8.21	8.73
5	12.94		13.53		6.24	5.73	5.51	9.28	12.22	9.90	7.41	8.90
6	12.98		12.92		6.25	5.69	5.61	9.47	12.28	10.02	7.11	9.07
7	13.05		12.32		6.41	5.35	5.42	9.52	12.35	9.49	7.21	9.20
8	13.16		12.00		6.36	5.19	5.35	9.65	12.44	8.44	7.40	9.35
9	13.26		11.92		6.42	5.12	5.55	9.64	12.46	8.07	7.59	9.46
10	13.36		11.76		5.93	5.07	5.61	9.80	12.39	7.99	7.80	9.75
11	13.39		11.60		5.97	5.08	5.85	9.91	11.80	8.06	8.09	9.29
12	13.38		11.46		5.86	5.09	5.92	10.05	10.86	8.33	8.37	9.36
13	13.42		11.24	7.50	5.60	5.22	6.16	10.26	10.06	8.50	8.54	9.54
14	13.49		11.22	7.60	4.94	5.35	6.42	10.39	8.58	8.76	8.70	8.94
15	13.54			7.63	4.33	5.51	6.62	10.35	7.39	8.99	8.77	8.68
16	13.57			8.03	4.26	5.59	6.72	10.43	6.89	9.12	7.59	8.72
17	13.63			8.14	4.37	5.65	6.81	10.42	6.77	9.35	7.14	8.81
18	13.69			8.18	4.37	6.00	6.93	10.66	6.98	9.50	6.82	8.88
19	13.71			8.09	4.38	6.24	7.08	10.72	7.33	9.55	6.60	9.07
20				8.35	4.40	6.40	7.30	10.74	7.62	9.61	6.62	9.25
21				8.63	4.46	6.47	7.53	10.92	7.86	9.66	6.75	9.47
22				8.54	4.54	6.92	7.60	11.04	8.08	9.60	7.01	9.62
23				8.59	4.70	7.18	7.63	11.09	8.16	9.58	7.32	9.66
24				8.66	5.07	7.32	7.75	11.18	8.25	8.62	7.55	9.73
25				8.87	5.24	7.19	7.89	11.33	8.44	8.21	7.73	9.91
26				8.42	5.26	6.96	8.00	11.48	8.65	8.16	7.76	10.16
27				8.60	5.39	7.22	8.00	11.56	8.79	8.25	7.76	10.31
28		14.68		8.35	5.69	7.56	8.36	11.66	8.90	8.37	7.72	10.32
29		14.68		8.15	------	7.57	8.65	11.79	9.02	8.48	7.76	10.36
30		14.25		8.30	------	7.61	8.80	11.83	9.30	8.56	7.90	10.51
31		------		8.28	------	7.65	------	11.89	------	8.79	8.09	------
MEAN					5.52	6.16	6.75	10.43	9.74	9.00	7.73	9.36

325025N0795745.1. (Chn-136) Exxon Plant, Charleston. Drilled unused artesian well in limestone and sand. Diam. 10 in. (25 cm); depth 596 ft (182 m); casing to 406 ft (124 m). Lsd about 15 ft (5 m) above msl; MP top of casing 1.2 ft (0.4 m) above lsd. Highest water level, 81.91 ft (24.97 m) on Oct. 31, 1972; lowest, 116.34 ft (35.46) on Oct. 7, 1971. Records available: 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105.79	83.97	100.91	101.97	105.17	100.01	97.52		97.10	95.75	93.74	93.22
2	104.04	88.64	100.79	102.26	103.90	94.90	98.02	97.40	98.39	96.81	94.12	92.94
3	105.82	92.36	100.63	102.43	105.60	98.23	97.08	97.36	97.87	95.91	93.76	93.15
4	103.93	94.83	100.44	102.60	103.98	97.95	94.11	98.39	97.00	95.49	93.71	92.96
5	104.27	96.16	100.35	102.84	103.04	97.75	98.27	97.82	97.94	95.37	93.93	92.80
6	105.68	97.04	99.13	102.91	102.67	98.52	97.84	97.06	96.88	96.12	93.49	92.72
7	104.01	97.78	97.12	102.62	102.72	98.65	97.29	98.22	97.87	95.52	93.53	92.97
8	103.56	98.80	98.06	102.15	103.12	99.36	98.45	97.24	96.74	95.28	93.32	92.69
9	104.67	99.85	98.49	102.13	104.36	98.72	97.47	96.82	97.70	95.17	93.57	92.68
10	104.02	100.41	98.75	102.30	102.12	98.95	97.34	97.97	97.50	95.06	93.20	92.70
11	103.77	101.21	98.95	102.45	99.08	99.06	97.70	96.98	97.80	95.93	93.49	92.34
12	103.77	101.43	98.70	102.70	97.18	98.73	97.40	97.12	96.59	95.20	93.56	92.69
13	104.00	101.33	98.75	102.77	98.43	98.34	98.16	97.30	97.10	95.69	93.48	92.78
14	104.32	101.43	98.74	102.52	99.19	98.16	97.85	98.18	97.41	95.38	93.11	92.60
15	103.73	101.88	98.56	101.83	100.14	99.00	97.29	96.92	97.47	95.38	93.45	92.89
16	100.75	102.14	99.03	101.50	99.77	98.27	97.33	97.76	96.32	95.69	93.47	92.76
17	96.85	102.47	99.75	101.31	99.66	99.24	97.88	96.96	95.95	95.11	93.38	92.87
18	94.10	102.87	99.70	101.00	99.56	97.63	97.88	97.77	95.86	95.57	93.43	92.57
19	92.14	103.06	99.26	100.69	99.45	98.18	97.13	96.91	96.95	94.80	93.60	92.88
20	90.60	103.37	99.63	100.54	99.35	97.83	97.49	98.03	96.26	94.94	93.81	93.30
21	88.96	103.62	99.66	100.37	99.29	97.98	97.85	97.14	96.86	94.67	93.19	94.61
22	87.24	103.80	99.55	100.04	100.11	98.68	97.79	96.89	95.92	94.65	93.41	94.14
23	85.68	103.96	99.62	100.53	99.64	97.92	97.55	97.82	96.96	94.97	93.07	94.15
24	84.62	103.72	99.63	100.89	99.83	97.94	96.93	97.04	97.16	94.40	93.29	94.79
25	84.06	103.03	99.55	103.48	100.13	97.42	97.28	97.28	96.38	94.14	93.15	93.12
26	83.78	102.58	99.49	102.18	100.21	97.45	98.25	97.84	95.77	94.33	93.20	94.72
27	83.20	102.40	99.75	102.97	100.11	98.51	97.45	78.16	96.44	94.23	93.28	95.14
28	82.69	102.02	100.24	104.78	99.73	97.64	97.66	97.49	95.31	94.55	93.01	94.02
29	82.43	101.64	100.74	103.41	------	97.96		98.07	96.63	94.31	93.21	95.13
30	82.20	101.04	101.19	103.39	------	98.04		97.05	96.72	94.00	93.96	95.80
31	81.91	------	101.58	104.41	------	97.24	------	98.48	------	94.10	93.00	------
MEAN	95.70	99.97	99.57	102.19	100.98	98.20			96.90	95.13	93.45	93.40

341150N0793450.1. (Flo-128) DuPont Plant, Florence, near Mars Bluff on Peedee River. Drilled unused artesian well in sands of Late Cretaceous age. Diam. 4 in. (10 cm); depth 460 ft (140 m); casing to 460 ft (140 m). Lsd 96 ft (29 m) above msl; MP top of casing 1.3 ft (0.4 m) above lsd. Highest water level, 38.77 ft (11.82 m) on Apr. 8, 1973; lowest, 49.96 ft (14.31 m) on May 11, 1972. Records available: 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.04	42.20	41.65	40.21	40.50	40.83	40.23	40.87	41.27	40.71	41.52	41.60
2	42.09	42.16	41.69	40.35	40.25	40.86	40.24	40.84	41.18	40.67	41.51	41.63
3	42.18	42.13	41.69	40.47	40.19	40.80	40.19	40.82	41.09	40.69	41.49	41.67
4	42.19	42.11	41.68	40.52	40.17	40.78	39.97	40.75	41.08	40.77	41.43	41.71
5		42.15	41.79	40.61	40.05	40.75	39.75	40.67	41.09	40.87	41.44	41.72
6		42.20	41.69	40.66	39.90	40.66	39.31	40.58	41.14	40.95	41.42	41.68
7		42.19	41.74	40.73	39.68	40.54	38.96	40.59	41.22	41.00	41.40	41.64
8		42.08	41.75	40.61	39.33	40.40	38.77	40.65	41.30	41.03	41.39	41.66
9		42.08	41.70	40.61	39.12	40.39	38.87	40.73	41.34	41.04	41.38	41.65
10		42.07	41.67	40.61	38.91	40.25	38.94	40.80	41.21	41.08	41.34	41.67
11		42.04	41.64	40.58	38.96	40.21	39.06	40.83	41.14	41.14	41.33	41.64
12		42.06	41.70	40.63	39.10	40.17	39.11	40.85	41.14	41.17	41.36	41.64
13		42.08	41.69	40.68	39.22	39.91	39.16	40.91	41.15	41.20	41.40	41.66
14		42.04	41.67	40.72	39.31	39.93	39.22	40.96	41.13	41.25	41.45	41.52
15		42.06	41.63	40.76	39.41	39.88	39.30	40.98	41.10	41.32	41.51	41.52
16		42.07	41.60	40.92	39.57	39.78	39.39	41.04	41.11	41.35	41.53	41.52
17		41.97	41.53	41.00	39.71	39.73	39.50	41.09	41.12	41.38	41.50	41.55
18		41.97	41.37	41.03	39.77	39.78	39.64	41.09	41.13	41.43	41.44	41.60
19		41.90	41.15	40.97	39.80	39.87	39.78	41.11	41.15	41.46	41.45	41.64
20		41.85	40.90	40.96	39.83	39.90	39.93	41.15	41.17	41.46	41.47	41.66
21		41.88	40.63	40.98	39.91	39.84	40.06	41.18	41.15	41.52	41.47	41.67
22		41.87	40.36	40.88	39.98	39.83	40.19	41.29	41.17	41.47	41.48	41.67
23		41.88	40.29	40.87	40.07	39.87	40.28	41.34	41.18	41.49	41.50	41.66
24		41.86	40.22	40.87	40.22	39.86	40.36	41.34	41.22	41.45	41.52	41.70
25		41.77	40.15	40.86	40.34	39.87	40.48	41.37	41.23	41.38	41.50	41.76
26	42.18	41.65	40.09	40.79	40.41	39.83	40.60	41.42	41.20	41.30	41.49	41.77
27	42.17	41.74	40.03	40.69	40.51	39.76	40.70	41.45	41.13	41.25	41.52	41.77
28	42.13	41.75	40.00	40.62	40.72	39.85	40.71	41.48	41.05	41.27	41.56	41.76
29	42.12	41.75	40.04	40.60	------	40.03	40.79	41.47	40.95	41.34	41.57	41.73
30	42.17	41.66	40.06	40.65	------	40.11	40.88	41.46	40.81	41.42	41.58	41.72
31	42.21	------	40.10	40.61	------	40.17	------	41.39	------	41.46	41.58	------
MEAN		41.97	41.09	40.71	39.82	40.14	39.81	41.05	41.15	41.20	41.47	41.66

332322N0791735.0. (Revised) (Geo-77) Georgetown Rural Water District near Georgetown. Drilled unused artesian well in sands of Peedee and Black Creek Formations. Diam. 10 in. (25 cm); depth 748 ft (228 m); casing to 748 ft (228 m); screened at 490-520 ft (149-158 m); 580-660 ft (177-201 m); 720-740 ft (219-226 m); gravel packed. Lsd 22 ft (7 m) above msl; MP top of casing 2.5 ft (0.8 m) above lsd. Highest water level, 81.53 ft (24.85 m) on Mar. 17, 31, 1972; lowest, 96.94 ft (29.95 m) on Sept. 29, 1973. Records available: 1970-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86.85	87.65	86.90	87.17			90.24	90.96	92.21			94.26
2	86.92	87.62	86.94				90.28	90.98	92.25			94.37
3	86.96	87.60	86.91				90.33	90.96	92.31			94.46
4	86.96	87.60	86.89				90.26	90.98	92.35			94.56
5	86.93	87.67	86.88				90.39	91.07	92.35			94.66
6	86.87	87.72	86.76				90.45	91.17	92.38			94.77
7	86.83	87.64	86.80				90.36	91.26	92.42			94.89
8	86.90	87.55	86.80				90.33	91.28	92.47			95.01
9	86.99	87.61	86.77				90.41	91.27	92.50			95.09
10	87.12	87.60	86.77				90.42	91.37	92.40			95.10
11	87.19	87.56	86.83				90.48	91.45	92.30			95.19
12	87.17	87.61	86.88				90.47	91.53	92.29			95.32
13	87.12	87.57	86.87				90.53	91.65	92.25			95.47
14	87.14	87.38	86.88				90.60	91.72	92.25			95.47
15	87.18	87.41	86.78				90.63	91.73	92.29			95.59
16	87.23	87.43	86.89				90.62	91.75	92.29			95.73
17	87.24	87.36	87.03				90.61	91.76	92.27			95.85
18	87.32	87.42	87.05				90.61	91.83	92.28			95.93
19	87.41	87.34	87.00				90.61	91.86	92.31			96.05
20	87.51	87.29	86.95				90.63	91.86	92.32			96.16
21	87.55	87.33	86.88				90.68	91.88	92.32			96.28
22	87.53	87.30	86.85				90.69	91.92	92.30			96.39
23	87.52	87.32	86.96				90.69	91.90	92.25			96.46
24	87.52	87.31	87.04				90.69	91.91	92.22			96.52
25	87.53	87.13	87.04					91.93	92.22			96.61
26	87.56	86.98	87.04					91.98	92.23			96.74
27	87.59	87.09	87.08					91.99	92.19			96.84
28	87.54	87.09	87.13			90.26		92.02	92.16			96.89
29	87.56	87.08	87.21		------	90.29		92.08	92.17			96.94
30	87.62	86.87	87.20		------	90.33		92.12	92.25			96.01
31	87.65	------	87.17		------	90.34	------	92.16	------			------
MEAN	87.26	87.40	86.94					91.62	92.29			95.65

345335N0821858.0. (Gv-709) Bushy Creek School, Greenville. Drilled unused well in metamorphic rock of Paleozoic to Precambrian age. Diam 6 in. (15 cm); depth 80 ft (24 m); casing to 6 ft (2 m); open hole below casing. Lsd 926 ft (282 m) above msl; MP top of casing about 2.5 ft (0.8 m) above lsd. Highest water level, 25.26 ft (7.70 m) on July 1, 1973; lowest, 27.92 ft (8.51 m) on Sept. 30, 1973. Recorder installed in March, 1973.

DAILY NOON (1200) LEVELS BELOW MEASURING POINT, MARCH 1973 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									26.01	25.26	26.20	27.08
2									26.00	25.67	26.24	27.10
3									26.00	25.66	26.28	27.12
4									25.96	25.63	26.33	27.15
5									25.94	25.64	26.34	27.18
6									25.94	25.67	26.36	27.22
7									25.94	25.69	26.40	27.25
8									25.90	25.71	26.41	27.29
9									25.88	25.69	26.41	27.32
10									25.84	25.70	26.43	27.35
11									25.82	25.73	26.48	27.36
12									25.81	25.79		27.42
13								26.11	25.79	25.80		27.46
14								26.08	25.74	25.80		27.46
15								26.04		25.80		27.52
16								26.02		25.84		27.56
17								26.06		25.88		27.58
18								26.04	25.74	25.92		27.60
19								26.01	25.76	25.94		27.64
20								26.04	25.73	25.93		27.67
21								26.04	25.70	25.94		27.72
22								26.01	25.68	25.99	26.78	27.73
23								25.98	25.66	26.04	26.82	27.75
24								26.05	25.66	26.08	26.84	27.80
25								26.04	25.64	26.06	26.87	27.82
26								26.02	25.63	26.06	26.91	27.85
27								26.04	25.62	26.10	26.93	27.87
28								26.04	25.60	26.13	26.95	27.85
29					------			26.06	25.62	26.15	26.99	27.87
30					------			26.06	25.65	26.19	27.00	27.92
31		------			------		------	26.04	------	26.20	27.04	------
MEAN										25.86		27.52

334037N0785420.[illegible]. (Ho-35) City of Myrtle Beach. Drilled unused artesian well in Peedee and Black Creek Formations. Diam. 8 in. (20 cm); depth 459 ft (140 m); casing to 454 ft (138 m); gravel packed. Lsd 25.2 ft (7.7 m) above msl; MP top of casing 1.0 ft (0.30 m) above lsd. Water level affected by distant pumping. Highest water level, 12.25 ft (3.73 m) on Apr. 21, 1958; lowest, 52.40 ft (15.97 m) on Aug. 15, 1968. Records available: 1956-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.35	43.78	44.08	43.37	44.03	46.75	44.38	47.77	30.42	41.52	44.30	45.52
2	39.95	43.66	44.04	43.25	43.78	46.64	44.34	48.05	30.99	41.98	44.58	49.93
3	38.23	43.68	44.01	43.30	44.99	46.50	44.46	47.93	31.83	42.64	44.33	47.96
4	38.05	43.65	44.08	43.20	50.11	46.51	44.49	47.81	32.74	43.22	44.53	46.62
5	38.47	43.54	44.24	42.97	49.64	46.21	44.51	47.40	33.38	43.07	44.52	45.73
6	38.90	43.45	44.14	42.95	49.28	45.87	44.59	47.28	34.11	43.36	44.72	45.37
7	38.94	43.33	44.12	42.88	49.03	45.21	44.36	46.73	35.51	43.20	44.30	45.54
8	40.00	43.22	44.12	42.48	48.71	44.78	44.57	45.46	36.55	43.40	44.23	45.38
9	40.59	43.23	44.06	42.31	48.55	44.74	44.78	45.11	36.35	43.52	44.82	46.03
10	42.03	43.21	43.84	42.03	48.20	44.79	45.02	45.54	37.09	43.54	44.42	47.90
11	41.85	43.20	45.18	41.99	48.28	44.80	44.91	45.74	37.42	43.53	44.80	45.95
12	41.77	43.19	45.15	42.34	48.34	44.89	44.83	45.67	38.69	44.16	44.40	47.27
13	41.87	43.12	44.18	43.06	48.44	44.85	44.92	45.72	39.49	43.41	44.75	45.93
14	43.63	42.96	43.90	42.84	48.28	44.69	45.01	45.60	40.01	43.83	44.57	44.25
15	43.97	42.87	43.13	42.93	48.15	44.62	45.05	45.50	40.23	44.38	45.01	45.38
16	44.10	42.73	43.87	43.04	48.19	44.71	44.96	45.51	40.41	44.22	44.87	45.43
17	44.15	42.75	44.16	43.20	48.07	44.59	45.24	45.28	40.79	43.74	44.57	45.43
18	44.12	42.57	44.09	43.38	47.83	44.60	45.23	41.74	41.12	44.19	44.69	45.59
19	44.23	42.55	44.07	43.34	47.59	44.57	44.63	41.89	41.10	43.78	44.96	45.62
20	44.23	42.49	43.83	43.47	47.44	44.62	45.79	42.24	41.31	44.48	44.46	45.65
21	43.87	42.37	43.59	43.65	47.37	44.70	48.52	35.95	41.00	42.33	44.57	49.01
22	43.87	42.36	43.36	43.42	47.32	44.66	47.18	31.49	40.74	42.15	44.00	47.46
23	43.83	42.41	43.02	43.48	47.21	43.94	47.02	31.36	41.15	43.19	44.54	46.40
24	43.85	42.45	42.90	44.93	47.32	42.56	47.26	31.87	41.71	43.64	44.32	45.67
25	44.12	42.28	43.92	42.96	47.30	43.05	47.25	32.65	42.15	41.48	44.89	42.31
26	43.62	42.18	43.62	43.36	47.19	45.22	46.87	33.01	42.09	41.35	45.02	36.61
27	43.77	41.96	43.85	43.65	46.98	44.98	46.44	33.31	41.36	43.19	44.27	36.64
28	44.13	41.24	43.98	43.79	46.87	44.52	47.00	33.94	41.30	44.45	44.70	38.33
29	44.21	47.47	43.68	44.08	-------	44.41	49.99	33.99	41.56	44.64	44.14	39.73
30	44.19	44.14	43.40	43.94	-------	44.45	47.87	33.73	41.64	44.66	45.15	40.74
31	44.10	-------	43.46	43.86	-------	44.54	-------	32.99	-------	44.09	44.66	-------
MEAN	42.32	43.07	43.91	43.21	47.66	44.90	45.72	41.23	38.47	43.37	44.58	44.85

WTR YR 1973 MEAN 43.58

335250N0811025.1 (Revised). (Lex-79) Pennsylvania Sand and Glass Company, Edmund. Drilled unused artesian well in rock of Paleozoic age. Diam. 6 in. (15 cm); depth 252 ft (77 m); casing to 250 ft (76 m). Lsd about 376 ft (115 m) above msl. MP top of recorder platform at lsd. Highest water level, 100.38 ft (30.60 m) on Sept. 8, 1973; lowest, 119.80 ft (36.52 m) on Apr. 7, 1962. Records available: 1962-66, 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111.13	110.43	111.6	110.02	112.65	110.60	107.75	107.67	104.38	102.92	105.01	105.72
2	111.30	110.74	111.2	112.67	112.55	111.07	108.49	108.90	104.40	103.65	105.03	104.88
3	111.32	110.81	108.81	112.76	110.42	110.70	110.25	108.71	106.26	104.25	105.02	104.99
4	111.22	110.80	111.3	112.72	109.18	110.26	109.95	108.36	107.61	103.45	103.67	105.67
5	111.16	110.53	110.9	112.80	110.42	111.11	110.11	108.38	107.66	104.19	101.62	101.93
6	111.03	111.41	112.1	112.66	110.85	108.60	110.07	108.26	107.87	103.78	103.75	101.05
7	111.03	111.35	112.4	112.48	110.56	108.39	109.74	108.76	107.87	103.91	104.17	100.51
8	110.82	111.43	111.4	112.37	110.59	108.15	109.83	108.08	106.09	103.77	104.41	100.38
9	110.96	111.57	109.91	112.85	110.91	107.83	110.00	107.92	104.64	103.73	104.30	102.02
10	111.59	111.55	108.7	112.92	110.53	107.83	109.86	108.16	103.83	103.91	104.33	103.96
11	111.44	111.21	111.5	112.86	110.25	107.26	109.83	108.27	104.72	103.78	104.38	105.13
12	111.30	110.71	111.8	113.00	110.20	107.45	109.83	107.94	104.08	104.06	104.40	105.69
13	111.13	110.97	111.8	113.07	110.51	107.76	110.27	107.82	104.01	104.55	104.33	105.56
14	110.81	111.42	111.8	112.79	110.64	107.46	110.37	107.89	104.10	104.41	104.28	106.60
15	111.30	111.64	111.7	112.59	110.45	108.27	110.04	107.88	104.11	103.99	104.28	102.56
16	110.45	111.75	112.0	113.06	110.88	107.02	109.81	107.63	104.06	104.71	104.32	102.91
17	110.70	111.73	111.6	112.91	110.91	107.61	110.02	107.47	103.48	104.93	104.33	103.28
18	110.43	111.60	112.4	112.56	111.13	107.27	110.02	107.55	103.88	104.40	104.29	102.86
19	110.82	110.81	112.37	112.78	110.43	107.97	110.01	107.85	103.95	104.64	104.26	102.62
20	111.29	111.57	112.2	112.76	110.65	108.12	110.06	107.36	103.97	105.58	104.24	102.43
21	110.62	111.78	111.3	112.50	111.15	108.01	110.01	105.42	103.91	105.22	104.15	102.67
22	110.61	111.57	112.1	112.61	111.53	108.26	109.65	105.64	103.42	106.09	104.17	103.33
23	110.52	111.03	110.2	112.93	111.43	108.20	109.57	106.88	103.74	106.21	104.25	102.28
24	110.29	111.36	108.17	113.07	111.55	108.20	109.84	106.74	103.17	105.53	104.22	102.74
25	110.24	111.20	107.9	113.08	111.0	107.06	109.51	106.72	102.97	105.36	104.17	102.36
26	110.30	111.11	109.4	113.00	111.36	107.47	109.31	106.57	103.28	105.26	104.17	102.65
27	110.29	111.32	110.9	112.56	111.27	108.17	109.16	106.97	102.86	105.14	104.15	103.73
28	110.50	111.50	111.2	111.94	111.07	108.28	109.54	106.35	102.96	105.19	104.61	102.56
29	110.76	111.66	111.0	112.55	------	108.13	109.65	107.36	103.21	105.11	105.25	102.11
30	111.01	110.96	111.1	112.56	------	108.06	109.32	105.18	103.23	105.15	105.37	102.17
31	110.56	------	110.8	112.76	------	107.90	------	104.20	------	105.15	105.46	------
MEAN	110.89	111.22	111.0	112.56	110.92	108.41	109.71	107.71	104.70	104.54	104.36	103.13

WTR YR 1973 MEAN 108.27

335440N0813030.1. (Lex-88) Town of Leesville, municipal well. Drilled unused artesian well in sand of Tertiary age. Diam. 8 in. (20 cm); depth 126 ft (38 m); casing to 126 ft (38 m). Lsd about 645 ft (197 m) above msl; MP top of recorder platform 2.2 ft (0.7 m) above lsd. Highest water level, 23.66 ft (7.21 m) on Feb. 24, 1965; lowest, 33.31 ft (10.15 m) on Mar. 16, 1973. Records available: 1964-66, 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		32.05	32.11	31.78	31.55	30.49	28.30	27.90	28.56	28.09	28.51	29.65
2		32.06	32.10	31.86	31.16	30.62	28.36	27.78	28.61	28.08	28.67	29.66
3		32.19	32.00	31.90	31.15	30.25	28.35	27.58	28.63	28.02	28.70	29.62
4		32.14	32.12	31.80	31.10	30.19	28.23	27.76	28.67	27.92	28.72	29.67
5	31.59	32.18	32.21	31.86	31.16	30.13	28.50	27.92	28.73	27.88	28.70	29.70
6	31.60	32.23	32.00	31.51	31.17	30.09	28.52	27.86	28.75	27.93	28.69	29.80
7	31.56	32.28	32.10	31.32	31.21	29.99	28.06	27.47	28.69	27.95	28.73	29.90
8	31.53	32.08	32.05	31.62	31.12	29.98	27.88	27.81	28.73	27.91	28.79	29.92
9	31.41	32.09	32.00	31.62	31.16	29.97	27.78	27.75	28.77	27.92	28.82	29.87
10	31.42	32.12	32.03	31.51	31.03	29.90	27.79	27.99	28.70	27.90	28.89	29.88
11	31.31	32.12	32.11	31.50	31.06	29.86	27.81	27.93	28.70	27.96	29.03	29.97
12	31.33	32.11	32.10	31.56	31.05	29.61	27.73	27.92	28.76	28.05	29.01	30.04
13	31.31	32.11	32.23	31.73	30.90	29.61	27.86	28.01	28.83	28.10	29.01	30.05
14	31.29	32.05	32.11	31.57	30.70	29.66	27.85	28.01	28.88	28.11	29.03	29.88
15	31.27	32.13	31.96	31.88	30.58	29.53	27.80	28.01	28.90	28.03	29.10	29.93
16	31.89	32.18	32.00	31.78	30.67	29.44	27.70	28.06	28.62	28.07	29.20	29.97
17	32.02	32.21	32.00	31.77	30.60	29.33	27.64	28.02	28.51	28.16	29.15	30.02
18	32.08	32.27	31.96	31.76	30.61	29.37	27.61	28.13	28.60	28.23	29.14	30.07
19	32.11	32.13	31.97	31.67	30.56	29.36	27.60	28.11	28.70	28.25	29.14	30.10
20	32.16	31.98	31.96	31.73	30.55	29.30	27.61	28.05	28.73	28.27	29.15	30.20
21	32.16	32.05	31.96	31.72	30.53	29.23	27.66	28.13	28.69	28.27	29.16	30.13
22	32.05	32.08	31.86	31.60	30.64	29.37	27.56	28.15	28.36	28.36	29.21	30.09
23	32.10	32.07	31.83	31.58	30.69	29.38	27.61	28.19	28.06	28.41	29.32	30.06
24	32.17	32.01	31.80	31.74	30.68	29.27	27.62	28.23	28.01	28.34	29.37	30.09
25	32.20	31.93	31.70	31.61	30.52	29.02	27.39	28.34	28.06	28.31	29.38	30.17
26	32.25	31.70	31.62	31.76	30.60	29.01	27.38	28.38	28.09	28.38	29.35	30.28
27	32.27	31.46	31.60	31.62	30.62	29.11	27.60	28.35	28.04	28.42	29.42	30.33
28	32.03	31.92	31.71	31.50	30.52	29.23	27.65	28.38	28.08	28.50	29.44	30.34
29	31.96	32.00	31.70	31.56	------	29.11	27.73	28.42	28.11	28.50	29.51	30.28
30	31.99	32.00	31.70	31.63	------	29.03	27.76	28.49	28.13	28.55	29.55	30.29
31	32.03	------	31.71	31.62	------	28.88	------	28.55	------	28.59	29.66	------
MEAN		32.07	31.97	31.71	30.83	29.67	27.90	28.06	28.52	28.17	29.05	30.00

343715N0794115O.0. (Mlb-112) Town of Bennettsville National Guard Armory well. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 8 in. (20 cm); depth 345 ft (105 m); casing to 320 ft (98 m); screened at 15 ft (5 m); 100 ft (0 m) of perforation. Lsd 150 ft (46 m) above msl; MP top of concrete pad 1.2 ft (0.37 m) above lsd. Highest water level, 2.34 ft (0.71 m) on Feb. 3, 1973; lowest, 5.92 ft (1.80 m) on Oct. 18, 1973. Records available: 1972-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.64		3.96	3.44	3.07	3.56		4.04	4.91	4.02	4.24	4.15
2	5.61		3.90	3.40	2.60	3.54		4.08	4.91	4.08	4.22	4.20
3	5.63		4.07	3.51	2.34	3.21		4.09	4.95	4.16	4.17	4.21
4	5.62		4.12	3.36	2.56	3.19	2.82	4.16	5.02	4.19	4.06	4.14
5	5.55		4.13	3.40	2.67	3.08	2.98	4.22	5.04	3.83	4.10	4.23
6	5.54		3.91	3.17	2.82	3.09	3.11	4.27	5.06	2.49	4.20	4.30
7	5.56		3.86	3.44	2.40	3.18	2.83	4.33	5.06	2.96	4.27	4.36
8	5.62		3.91	3.46	2.91	3.23	2.44	4.33	5.00	3.16	4.34	4.41
9	5.73		3.83	3.56	2.80	3.20	2.66	4.26	4.99	3.34	4.39	4.27
10	5.78	4.67	3.91	3.56	2.83	3.26	2.89	4.33	4.47	3.49	4.44	3.99
11	5.78	4.65	4.00	3.49	2.83	3.20	3.00	4.39	4.33	3.59	4.48	4.08
12	5.72	4.59	4.06	3.47	2.49	2.95	3.12	4.37	4.36	3.71	4.53	4.17
13	5.77	4.75	4.10	3.53	2.91	2.97	3.22	4.43	4.38	3.83	4.50	4.25
14	5.80	4.72	4.03	3.47	2.62	3.13	3.30	4.48	4.39	3.40	4.67	3.98
15	5.74	4.78	3.85	3.36	2.39	3.20	3.37	4.48	4.37	3.95	4.70	3.96
16	5.85	4.73	3.54	3.23	2.62	3.29	3.50	4.53	4.30	3.46	4.74	4.04
17	5.87	4.34	3.80	3.29	2.82	3.29	3.54	4.56	4.36	3.58	4.75	4.14
18	5.92	4.36	3.77	3.30	2.93	3.42	3.63	4.60	3.96	3.64	4.73	4.06
19	5.70	4.33	3.86	3.27	3.06	3.56	3.69	4.62	4.03	3.77	4.76	3.60
20	5.83	4.03	3.84	3.28	3.09	3.56	3.74	4.58	4.05	3.90	4.81	3.72
21	5.79	4.06	3.66	3.30	3.18	3.35	3.78	4.66	3.57	3.97	4.79	3.83
22	5.76	4.18	3.07	3.25	3.27	3.44	3.81	4.59	3.25	4.07	4.79	3.93
23	5.81	4.21	3.14	3.21	3.29	3.55	3.87	4.73	3.07	4.11	4.83	4.00
24	5.46	4.29	3.26	3.35	3.37		3.90	4.70	3.26	3.64	4.76	4.10
25	5.06	4.12	3.36	3.48	3.43		3.95	4.72	3.47	3.63	3.46	4.17
26		3.70	3.43	3.47	3.44		3.95	4.75	3.62	3.76	3.49	4.25
27		3.89	3.50	3.19	3.40		3.68	4.76	3.74	3.87	3.68	4.30
28		4.00	3.53	3.17	3.42		3.82	4.83	3.80	3.93	3.81	4.35
29			3.74	3.12	------		3.92	4.79	3.86	4.00	3.92	4.37
30		3.45	3.72	3.32	------		4.02		3.94	4.09	4.03	4.30
31		------	3.47	3.38	------		------	4.46	------	4.14		------
MEAN			3.75	3.38	2.95				4.25	3.78		4.13

340335N0805835.1. (Ric-40) Shakespeare Manufacturing Company near Columbia. Drilled unused water-table well in sands of Late Cretaceous age. Diam. 6 in. (15 cm); depth 245 ft (75 m); casing to 233 ft (71 m) screened at 98-105 ft (30-32 m). Lsd about 390 ft (119 m) above msl; MP top of casing 0.55 ft (0.17 m) above lsd. Highest water level, 69.91 ft (21.31 m) on May 23, 1960; lowest 84.10 ft (25.63 m) on May 16, 1952. Records available: 1949-52, 1957-66, 1972-73.

DAILY NOON (1200) WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78.01	79.12	79.76	79.95	80.13	79.95	78.60	77.36	76.47	75.48	75.78	76.23
2	78.10	79.00	79.81	80.05	80.08	79.90	78.75	77.28	76.38	75.43	75.91	76.20
3	78.04	79.12	79.80	79.90	80.15	79.80	78.70	77.10	76.35	75.38	75.95	76.15
4	78.09	79.10	79.76	80.03	80.18	79.75	78.55	77.11	76.34	75.44	75.90	76.18
5	78.09	79.20	79.75	80.05	80.23	79.78	78.65	77.05	76.33	75.45	75.95	76.16
6	78.04	79.26	79.77	79.93	80.25	79.80	78.55	77.00	76.28	75.41	76.00	76.16
7	78.08	79.13	79.81	80.03	80.26	79.40	78.30	76.95	76.32	75.55	76.02	76.18
8		79.15	79.70	79.93	80.13	79.78	78.34	76.90	76.24	75.58	76.03	76.25
9		79.22	79.75	79.90	80.16	79.75	78.40	76.83	76.23	75.58	75.98	76.22
10		79.18	79.70	80.03	80.10	79.70	78.28	76.93	76.15	75.55	75.98	76.30
11		79.10	79.81	80.08	80.10	79.55	78.25	76.80	76.14	75.54	76.05	76.32
12		79.15	79.82	80.06	80.12	79.65	78.13	76.75	76.15	75.55	76.05	76.43
13		79.07	79.80	80.03	80.18	79.65	78.14	76.75	76.13	75.65	76.01	76.45
14		79.28	79.71	80.20	80.05	79.58	78.08	76.73	76.08	75.52	76.00	76.42
15		79.18	79.50	80.06	80.10	79.55	78.00	76.68	76.05	75.50	76.05	76.52
16	78.55	79.26	79.81	79.97	80.20	79.45	77.95	76.67	75.93	75.58	76.08	76.52
17	78.59	79.12	79.81	79.86	80.15	79.40	76.55		75.95	75.68	76.13	76.55
18	78.73	79.28	79.73	80.04	80.10	79.28	76.65		76.03	75.74	76.10	76.55
19	78.78	79.15	79.86	80.08	80.10	79.35	76.62		76.07	75.74	76.08	76.61
20	78.75	79.17	79.71	79.90	80.13	79.32	76.44		76.05	75.75	76.05	76.66
21	78.83	79.48	79.70	80.03	80.05	79.30	76.50		75.99	75.72	76.10	76.71
22	78.85	79.38	79.72	80.05	80.05	79.25	76.44		75.95	75.76	76.13	76.67
23	78.85	79.18	79.91	80.10	80.05	79.23	76.36		75.96	75.85	76.18	76.78
24	78.93	79.35	79.86	80.05	80.10	79.13	76.30		75.93	75.85	76.20	76.70
25	78.95	79.25	79.76	80.05	80.00	79.05	77.35	76.38	75.95	75.79	76.26	76.75
26	78.94	79.27	79.81	80.05	79.96	78.93	77.35	76.35	75.93	75.75	76.22	76.78
27	78.82	79.50	79.72	80.18	80.00	79.08	77.33	76.26	75.90	75.77	76.22	76.78
28	78.85	79.53	79.80	80.32	80.03	79.10	77.40	76.25	75.86	75.80	76.20	76.75
29	78.95	79.53	80.02	80.31	------	78.99	77.35	76.35	75.90	75.78	76.15	76.75
30	79.04	79.53	79.97		------	78.86	77.37	76.30	75.95	75.80	76.21	76.79
31	79.13	------	79.86	80.25	------	78.73	------	76.43	------	75.80	76.25	------
MEAN		79.25	79.76		80.12	79.43	77.65		76.10	75.76	76.07	76.48

340540N0810215.8. (Ric-309) Lincolnshire Subdivision well, Columbia. Unused open hole well in granitic-gneiss and schist. Diam. 6 in. (15 cm); depth 300 ft (91 m); casing to 90 ft (27 m). Lsd about 260 ft (79 m) above msl; MP top of casing 0.4 ft (0.1 m) above lsd. Highest water level, 8.67 ft (2.64 m) on Mar. 13, 1973; lowest, 41.40 ft ft (12.62 m) on Sept. 30, 1973. Records available: 1972-73.

DAILY NOON (1200) WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.10		26.20	19.45	13.15	13.37	9.50	13.76	15.99	15.06	32.04	39.49
2	34.25		26.25	19.37	10.70	12.96	9.45	13.83	16.04	15.15	32.52	39.71
3	34.30		26.15	19.43	10.35	12.75	9.88	13.72	16.16	15.20	32.07	39.95
4	33.71		26.03	18.92	11.00	12.32	10.05	13.85	16.30	15.18	33.39	40.19
5	33.85		26.00	18.70	11.30	12.18	10.89	14.03	16.38	15.23	33.76	40.39
6	33.65	29.05	25.60	18.60	11.69	11.45	11.36	14.14	16.43	15.40	34.42	40.00
7	33.90	28.91	25.55	18.60	12.10	10.50	11.40	14.19	16.07	15.57	34.46	40.19
8	34.20	28.72	25.43	18.20	12.09	10.45	9.41	14.18	16.15	15.67	34.53	40.45
9	34.00	28.58	25.30	17.90	12.43	8.90	9.65	14.00	16.05	15.70	34.99	40.77
10	33.80	28.59	25.10	17.88	12.45	9.23	10.00	14.15	15.50	15.65	35.84	40.77
11	33.40	28.50	25.15	17.34	12.65	9.71	10.58	14.21	15.30	15.81	35.27	40.00
12	33.45	28.50	25.13	17.00	12.40	8.70	10.83	14.21	15.22	20.20	35.98	39.70
13	33.15	28.38	24.90	16.68	12.30	8.67	11.40	14.43	15.18	21.50	36.34	39.40
14	33.30	28.10	24.65	16.40	11.50	9.13	11.74	14.47	15.24	23.00	36.87	38.73
15	32.70	28.15	23.60	16.00	9.83	9.72	11.99	14.51	15.28	23.97	37.30	39.77
16	32.15	28.15	22.91	16.01	10.00	10.17	12.10	14.65	14.95	24.45	37.05	39.18
17	32.05	27.95	23.00	15.83	10.50	10.42	12.19	14.56	14.90	25.32	36.65	39.18
18	32.90	27.95	22.90	15.63	10.99	10.93	12.30	14.80	15.01	26.05	35.05	38.93
19	32.15	27.80	22.70	15.18	11.25	11.31	12.49	14.82	15.18	27.80	35.66	39.02
20		27.65	22.44	15.23	11.50	11.49	12.66	14.80	15.28	28.65	36.71	39.93
21		27.45	22.25	15.30	11.80	11.57	12.83	14.96	15.20	28.60	36.76	39.90
22		27.30	21.23	14.65	11.94	11.94	12.86	15.04	14.44	28.90	36.65	39.66
23		27.30	20.57	14.20	12.12	12.15	12.83	15.01	14.40	29.22	36.92	40.49
24		27.20	20.35	14.20	12.55	12.30	12.90	15.05	14.47	29.30	37.02	40.99
25		27.00	20.05	14.30	12.82	12.00	12.95	15.20	14.55	30.20	36.47	40.50
26		26.52	19.66	14.30	12.81	12.05	13.00	15.31	14.64	29.28	37.02	39.39
27		26.60	19.50	13.56	12.85	12.48	12.98	15.37	14.70	29.17	36.74	39.83
28		26.50	19.52	13.48	13.21	12.76	13.40	15.48	14.73	29.51	38.37	40.00
29		26.53	19.68	12.70	------	12.78	13.62	15.58	14.79	29.81	38.72	40.20
30		26.31	19.50	13.00	------	12.75	13.67	15.76	14.93	30.91	39.03	41.40
31		------	19.45	13.05	------	12.30	------	15.83	------	31.45	39.25	------
MEAN			23.13	16.15	11.80	11.27	11.70	14.64	15.32	23.16	35.93	39.84

345026N0815840.0. (Sp-298) Spartanburg Subdistrict B Water Works. Drilled unused well in metamorphic rock of Paleozoic to Precambrian age. Diam. 6 in. (15 cm); depth 337 ft (103 m); casing to 51 ft (16 m); open hole below casing. Lsd 880 ft (268 m) above msl; MP top of casing about 2 ft (0.61 m) above lsd. Highest water level, 6.80 ft (2.07 m) on Apr. 10, 1973; lowest, 13.65 ft (4.16 m) on Sept. 30, 1973. Recorder installed in March, 1973.

DAILY NOON (1200) WATER LEVELS BELOW MEASURING POINT, MARCH 1973 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							8.06	8.60	9.49		11.63	12.92
2							7.76	8.68	9.50		11.54	12.98
3							7.74	8.68	9.58		11.56	13.03
4							7.63	8.80	9.67		11.66	13.08
5							7.90	9.02	9.73		11.71	13.14
6							7.99	9.38	9.76		11.75	13.22
7							7.85	9.42	9.58		11.79	13.30
8							7.06	9.40	9.51		11.82	13.34
9							6.88	9.41	9.52		11.88	13.36
10							6.80	9.49	9.09	10.49	11.93	13.40
11							6.92	9.53	8.90	10.52	11.97	13.49
12							6.89	8.88	8.90	10.62		13.45
13						9.63	7.19	8.80	8.95	10.74		13.50
14						9.56	7.36	8.87	9.02	10.77		13.20
15						9.58	7.44	8.89	9.09	10.81		13.05
16						9.59	7.52	8.96	9.12	10.91		13.05
17						9.11	7.60	8.95		10.99		13.07
18						8.91	7.66	9.12	9.29	11.08		13.11
19						8.76	7.73	9.18	9.39	11.09		13.22
20						8.68	7.83	9.20	9.43	11.12		13.25
21						8.71	7.93	9.32	9.47	11.17		13.30
22						8.76	7.93	9.38	9.50	11.27	12.54	13.32
23						8.88	7.86	9.41	9.53	11.34	12.62	13.32
24						8.88	7.94	9.45	9.59	11.37	12.67	13.39
25						8.75	8.02	9.53	9.69	11.41	12.72	13.50
26						8.66	8.07	9.63	9.80	11.45	12.78	13.54
27						8.81	8.03	9.65	9.84	11.45	12.79	13.54
28						8.90	8.30	9.63	9.84	11.50	12.75	13.54
29					------	8.90	8.44	9.43	9.85	11.50	12.84	13.63
30					------	8.90	8.50	9.42		11.52	12.82	13.65
31		------			------	8.80	------	9.44	------	11.56	12.85	------
MEAN							7.69	9.21				13.30

335602N0802048.0 (Revised). (Su-[illegible]) City of Sumter municipal well field. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 18 in. (46 cm); depth 805 ft (245 m); casing to 618 ft (188 m); screened at 525-608 ft (160-185 m). Lsd about 176 ft (54 m) above msl, MP top of concrete pad 0.5 ft (0.2 m) above lsd. Highest water level, 45.57 ft (13.89 m) on Dec. 26, 1971, lowest 75.75 ft (23.09 m) on June 10, 1971. Records available: 1970-73.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55.57	65.60	66.06		60.80	72.86	54.77	56.87	62.06	59.16	61.96	65.20
2	58.22	66.43	62.66		60.61	72.75	58.83	59.14	61.84	55.43	60.33	61.62
3	63.26	67.43	57.26		58.37	65.37	62.13	59.57	58.97	56.12	61.21	59.27
4	67.22	68.33	57.47	59.33	53.77	63.68	59.65	60.32	58.36	[illegible]	60.55	62.13
5	68.52	62.57		59.92	56.21	68.42	59.25	58.40	62.38	53.72	56.80	64.08
6	69.26	60.08		57.74	58.97	70.04	59.42	54.30	63.56	55.56	57.48	64.79
7	65.58	60.41		52.62	60.39	68.49	56.21	55.35	62.54	55.78	61.48	65.50
8	57.73	61.13		53.80	60.29	67.25	51.54	58.35	61.75	54.38	63.39	65.09
9	61.41	61.75		57.00	60.37	68.07	53.55	57.95	60.15	53.95	66.59	61.15
10	65.88	64.37		61.27	58.24	62.34	56.21	58.84	56.35	58.37	66.50	54.92
11	67.35	63.26		60.24	62.51	57.02	57.05	62.74	59.03	59.93	65.94	64.40
12	68.61	57.14		60.90	65.60	59.46	57.56	59.78	59.29	60.86	59.29	66.75
13	69.54	58.09		60.00	69.29	63.69	58.73	53.96	59.73	61.61	59.57	64.03
14	64.87	60.34		56.37	68.32	66.70	57.86	56.68	60.16	61.81	64.86	65.52
15	59.23	60.16		60.31	65.76	68.98	52.75	59.00	60.42	60.17	64.45	62.26
16	61.69	60.57		62.45	69.62	70.73	54.38	60.24	58.97	56.28	64.75	57.81
17	66.45			62.57	68.57	69.85	57.21	60.31	54.44	59.61	65.77	61.09
18	67.49			67.01	63.40	58.92	58.69	61.08	55.58	61.19	62.20	63.85
19	67.57			67.91	62.41	57.86	58.42	59.47	60.41	62.37	58.69	65.22
20	68.35			63.34	67.72	61.81	59.52	54.20	61.18	63.40	60.03	65.06
21	63.86			57.23	68.80	65.87	58.31	55.65	63.17	63.59	63.04	65.37
22	58.69			57.84	66.22	64.41	53.37	58.89	64.03	62.85	63.66	64.31
23	61.41			61.29	66.50	64.79	54.23	60.41	64.05	60.22	63.48	59.36
24	65.33			61.02	68.97	63.09	58.75	60.99	60.02	62.03	63.00	61.78
25	65.49			61.61	64.56	58.12	58.04	59.73	59.62	62.62	63.22	66.36
26	64.77			61.26	63.17	58.57	57.97	58.19	63.16	62.60	59.09	66.15
27	64.11			60.27	67.97	62.67	58.13	53.66	64.04	62.60	59.98	65.82
28	62.06			55.66	70.27	55.00	55.80	54.76	64.72	62.79	64.25	67.21
29	55.65	61.96		57.48	------	64.51	51.54	57.95	64.28	60.32	65.54	65.60
30	59.87	63.49		60.47	------	61.25	53.33	58.67	61.67	57.45	66.81	60.92
31	66.06	------		61.10	------	58.01	------	60.08	------	59.64	67.33	------
MEAN	63.92				63.85	64.54	56.77	58.24	60.88	59.43	62.62	63.42

350150N0810125.0. (Yk-147)Tega Cay Development, Fort Mill. Drilled unused well in rock of Paleozoic to Precambrian age. Diam. 8 in. (20 cm); depth 700 ft (213 m); casing to 50 ft (15 m); open holo below casing. Lsd about 600 ft (183 m) above msl; MP top of casing 0.5 ft (0.2 m) above lsd. Highest water level, 19.45 ft (5.93 m) on Apr. 8, 1973; lowest, 21.73 ft (6.62 m) on Nov. 12, 1972. Records available: 1973.

DAILY MEAN WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		21.57	20.85	20.84	20.92	21.13	19.59	20.24	20.11	20.38	21.27	20.90
2		21.56	20.86	20.90	20.63	21.06	19.59	20.27	20.04	20.56	21.29	20.97
3		21.55	20.86	20.94	20.42	20.99	19.57	20.25	20.04	20.69	21.26	21.02
4		21.57	20.86	20.88	20.39	20.77	19.49	20.32	20.07	20.74	21.23	20.91
5		21.66	20.91	20.90	20.32	20.68	19.59	20.44	20.06	20.84	21.18	20.61
6		21.72	20.82	20.96	20.27	20.66	19.64	20.50	20.08	20.95	21.10	20.54
7		21.65	21.06	21.08	20.32	20.60	19.54	20.60	20.11	21.06	21.05	20.43
8		21.55	21.09	21.07	20.29	20.59	19.45	20.59	20.10	21.18	21.06	20.39
9		21.62	21.04	21.08	20.36	20.64	19.48	20.66	20.13	21.24	21.04	20.36
10		21.62	21.09	21.11	20.36	20.63	19.46	20.71	20.15	21.22	21.02	20.39
11		21.65	21.16	21.05	20.48	20.65	19.50	20.70	20.22	21.19	21.05	20.41
12	21.33	21.73	21.26	21.06	20.59	20.63	19.46	20.69	20.22	21.30	21.08	20.38
13	21.33	21.71	21.26	21.10	20.64	20.60	19.62	20.73	20.24	21.39	21.11	20.42
14	21.36	21.53	21.24	21.05	20.59	20.58	19.75	20.72	20.21	21.42	21.15	20.30
15	21.43	21.58	21.02	21.02	20.55	20.61	19.84	20.66	20.23	21.39	21.20	20.27
16	21.42	21.57	20.74	21.18	20.64	20.60	19.89	20.69	20.16	21.43	21.28	20.31
17	21.41	21.45	20.75	21.15	20.79	20.39	19.94	20.67	20.16	21.43	21.28	20.37
18	21.50	21.45	20.61	21.12	20.89	20.23	20.03	20.72	20.23	21.40	21.24	20.34
19	21.50	21.36	20.45	21.02	20.93	20.18	20.11	20.71	20.28	21.34	21.24	20.41
20	21.61	21.25	20.33	21.07	20.94	20.10	20.24	20.62	20.31	21.29	21.20	20.45
21	21.59	21.29	20.31	21.13	20.99	20.01	20.29	20.67	20.28	21.26	21.16	20.53
22	21.56	21.22	20.21	20.98	20.99	20.05	20.27	20.62	20.19	21.28	21.13	20.54
23	21.49	21.25	20.21	20.91	21.03	20.03	20.24	20.57	20.15	21.37	21.18	20.55
24	21.46	21.27	20.24	20.89	21.15	19.98	20.25	20.52	20.16	21.38	21.15	20.59
25	21.49	21.12	20.22	20.87	21.20	19.88	20.22	20.58	20.17	21.38	21.09	20.64
26	21.53	20.98	20.34	20.86	21.15	19.91	20.20	20.52	20.20	21.36	21.05	20.75
27	21.55	21.07	20.57	20.75	21.12	19.92	20.22	20.58	20.19	21.30	21.02	20.81
28	21.47	21.04	20.54	20.69	21.16	20.00	20.37	20.52	20.13	21.28	20.97	20.81
29	21.50	21.04	20.82	20.70	------	19.90	20.29	20.36	20.16	21.26	20.88	20.81
30	21.56	20.99	20.86	20.80	------	19.95	20.21	20.25	20.26	21.30	20.83	20.88
31	21.58	------	20.82	20.87	------	19.77	------	20.17	------	21.29	20.85	------
MEAN		21.42	20.77	20.97	20.72	20.37	19.88	20.55	20.17	21.19	21.12	20.57

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